

Oracle Identity Manager Integration Implementation Guide
Oracle FLEXCUBE Universal Banking
Release 12.1.0.0.0
[October] [2015]



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1. Introduction

For the purpose of centralized user provisioning FCUBS is qualified with Oracle Identity Manager - Oracle® Fusion Middleware 11g Release 1 (11.1.1.5.0). This feature is available in the releases FCUBS V.UM 10.1.0.0.0.0 and onwards of FCUBS.

1.1 Scope

This document is expected to provide an understanding as to how centralized provisioning through OIM can be enabled for FCUBS.

In addition to providing a background to the various components of the deployment, this document provides detailed steps as to how to install the various FCUBS components required for the integration with OIM configuration in FCUBS and Oracle Identity Manager to enable centralized provisioning.

1.2 Introduction to Oracle Identity Manager

Oracle Identity Manager is an identity management product that automates user provisioning, identity administration, and password management, integrated in a comprehensive workflow engine. It enables organizations to reduce Information Technology (IT) administration costs and improve security. Oracle identity manager achieves this by providing a centralized control mechanism to manage the entire life cycle of user identities and entitlements and to control user access to across all resources in the organization.

1.3 Advantage

Integrating FCUBS with Oracle identity Manager provides capability for managing the entire life cycle of FCUBS user identities through a centralized point provided by OIM in both scenario- FCUBS without single sign on and FCUBS with single sign on.

2. Requirements or Problem Statement

The requirement is to integrate FCUBS with Oracle Identity Manager for FCUBS user provisioning and de-provisioning services with and without FCUBS single sign on.

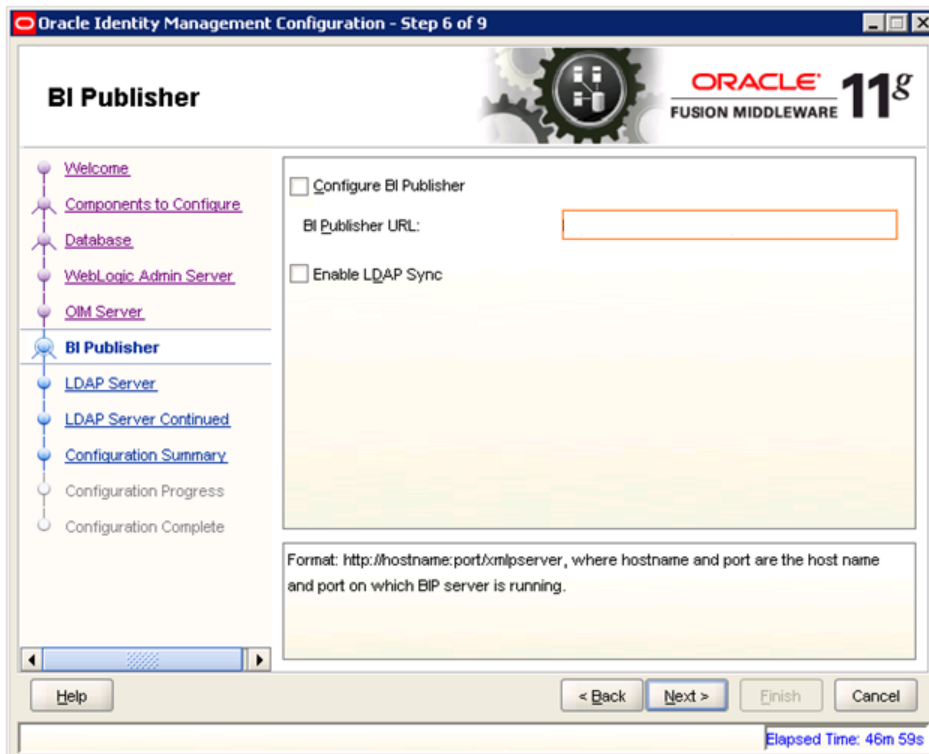
3. Prerequisites

3.1 Software Required

- Oracle® Fusion Middleware 11g Release 1 (11.1.1.5.0)
 - Refer [Oracle Identity Manager Document](#) for software that is required for Oracle Identity Manager itself.



While Configuring Oracle Identity Management, uncheck Enable LDAP Sync Option like below:



- Oracle Identity Manager Identity Connectors Release 11.1.1

Refer the below sections:

- 2.1.2.2 Using External Code Files
- 2.2 Installing the Connector on Oracle Identity Manager Release 9.1.0.x or Release 11.1.2.2.0)
- Configuring Oracle Identity Manager Design Console

3.2 FCUBS Component Required

- FCUBS Gateway EJB

4. System Description

4.1 About Oracle Identity Manager

Oracle Identity Manager is an identity management product that automates user provisioning, identity administration, and password management, integrated in a comprehensive workflow engine. Key features of Oracle Identity Manager include password management, workflow and policy management, identity reconciliation, reporting and auditing, and extensibility through adapters.

4.1.1 Oracle Identity Manager System Components

Oracle Identity Manager provides centralized user identity management services with following system components:

User Interfaces

Oracle Identity Manager user interfaces define and administer the provisioning environment. Oracle Identity Manager offers two user interfaces to satisfy both administrator and user requirements:

Powerful Java-based Design Console for developers and system administrators

Web-based Administration Console for identity administrators and end users.

Provisioning Manager

The Provisioning Manager is where provisioning transactions are assembled and modified. The Provisioning Manager maintains the "who" and "what" of provisioning. User profiles, access policies, and resources are defined through the Provisioning Manager, as are business process workflows and business rules.

Provisioning Server

The Provisioning Server is the run-time engine for Oracle Identity Manager. It runs the provisioning process transactions as defined through the Design Console and maintained within the Provisioning Manager.

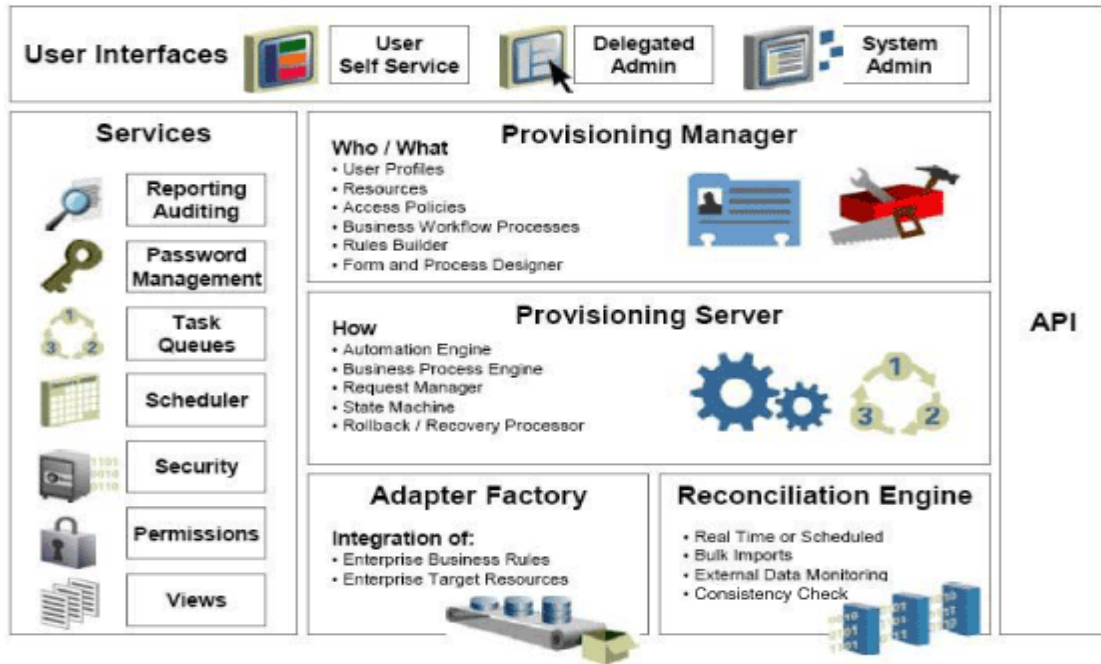
Adapter Factory

The Adapter Factory builds and maintains the integrations between Oracle Identity Manager and managed systems and applications. The Adapter Factory is designed to eliminate the need for hard-coding integrations with these systems.

Reconciliation Engine

The reconciliation engine ensures consistency between the provisioning environment of Oracle Identity Manager and Oracle Identity Manager managed resources within the organization. The reconciliation engine discovers illegal accounts created outside Oracle Identity Manager. The reconciliation engine also synchronizes business rules located inside and outside the provisioning system to ensure consistency.

Following figure shows how the various Oracle Identity Manager's system components work together and interact with each other to manage user identities.



4.1.2 Oracle Identity Manager Integration Solutions

Oracle Identity Manager has a three-tier integration solutions strategy to provide connectors to various heterogeneous identity-aware IT systems. The three tiers are:

- Out-of-the box integration using predefined connectors and predefined generic technology connector providers
- Custom connectors using the Adapter Factory
- Connectors based on custom generic technology connector providers

4.2 Integration / Design Architecture

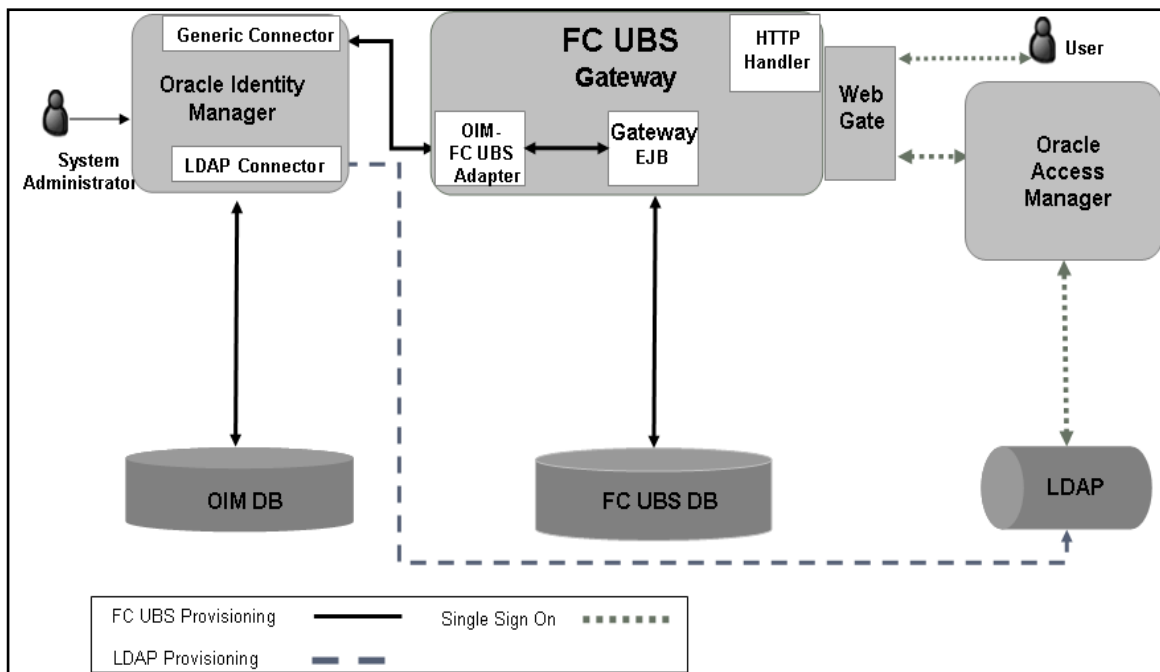
With the integration of FCUBS and Oracle Identity Manager, a user can be created, modified, closed, and reopened in FCUBS. Oracle Identity Manager acts as the front-end entry point for managing mandatory fields of FCUBS user. After users are provisioned, the users can access the FCUBS without any interaction with Oracle Identity Manager. This integration also ensures that any change that has been made for corresponding user in FCUBS should be reflected in OIM using reconciliation feature of OIM.

Design

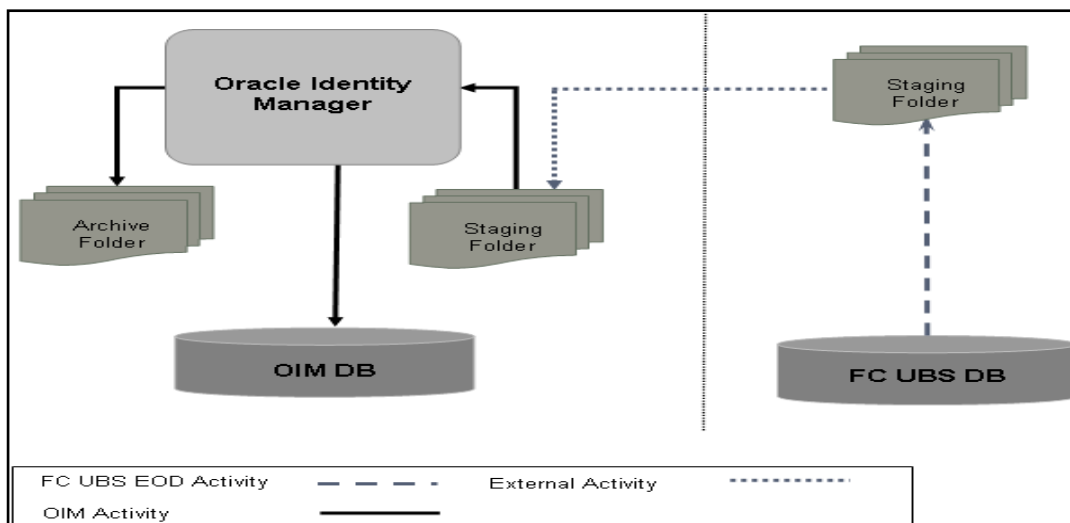
For the purpose of integration of Oracle Identity manager and FCUBS “Generic technology connector” (GTC) has been used. GTC provides out of box providers for provisioning and reconciliation.

Following two figures illustrate the design aspect of the provisioning and reconciliation process:

4.2.1 Provisioning Design Architecture



4.2.2 Reconciliation Design Architecture



4.2.3 Design Constraints

The followings are the design constraints for this integration:

- This integration is based upon sample configuration containing only mandatory fields of FCUBS user while defining the GTC. Other fields can be defined in the GTC using the same configurations.
- Due to specific data requirement for FCUBS user creation, only manual provisioning method can be used for FCUBS provisioning.
- User role is not taken up in this integration and the FCUBS user will not be associated with any role at the time of user creation.

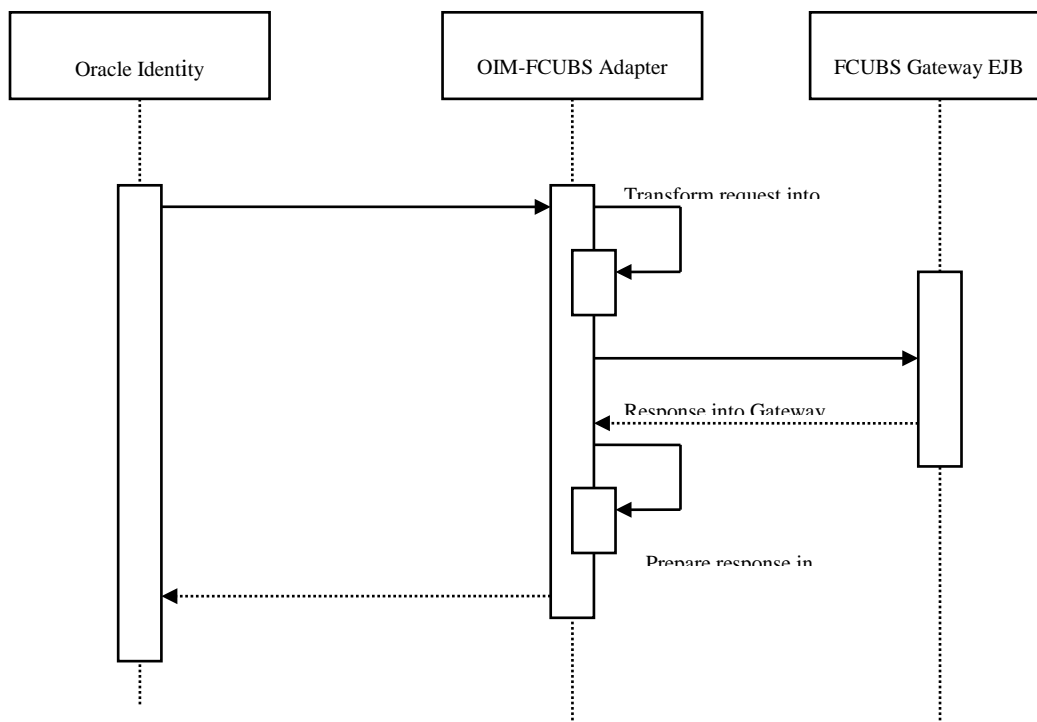
- A common FCUBS maker id will be used for user creation that is maintained as property in a property file.
- OIM does not allow ASCII special characters e.g. ampersand, colon, braces etc. Apart from this, OIM also does not allow multiple consecutive occurrences of some of special ASCII character like underscore etc.

4.2.4 **Message Flow**

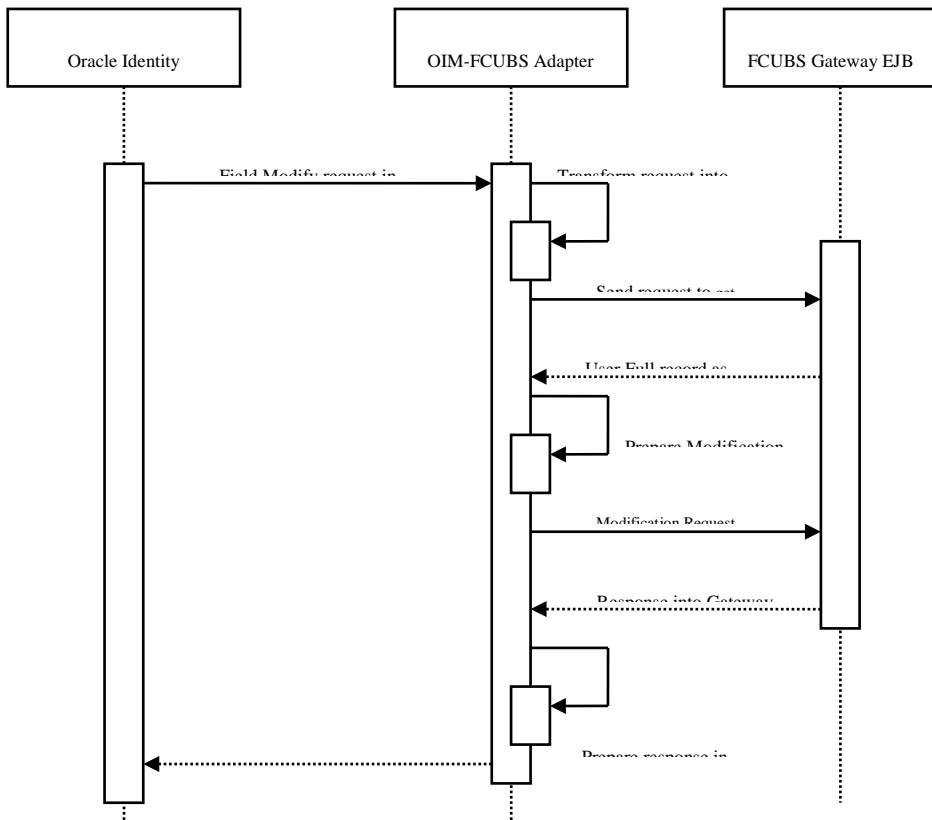
OIM-FCUBS adapter would transform the request from the OIM SPML/DSML to FCUBS Gateway request using Extensible Style sheet Language Transformation (XSLT). Transformed XML request will be sent to the FCUBS Gateway EJB for further processing based on the type of the request. Based on the FCUBS Gateway EJB response OIM-FCUBS adapter will prepare the response in SPML/DSML format and will send to the OIM.

Following gives the sequence of the message exchanges between the adapter and FCUBS Gateway EJB for user provisioning that are initiated from OIM.

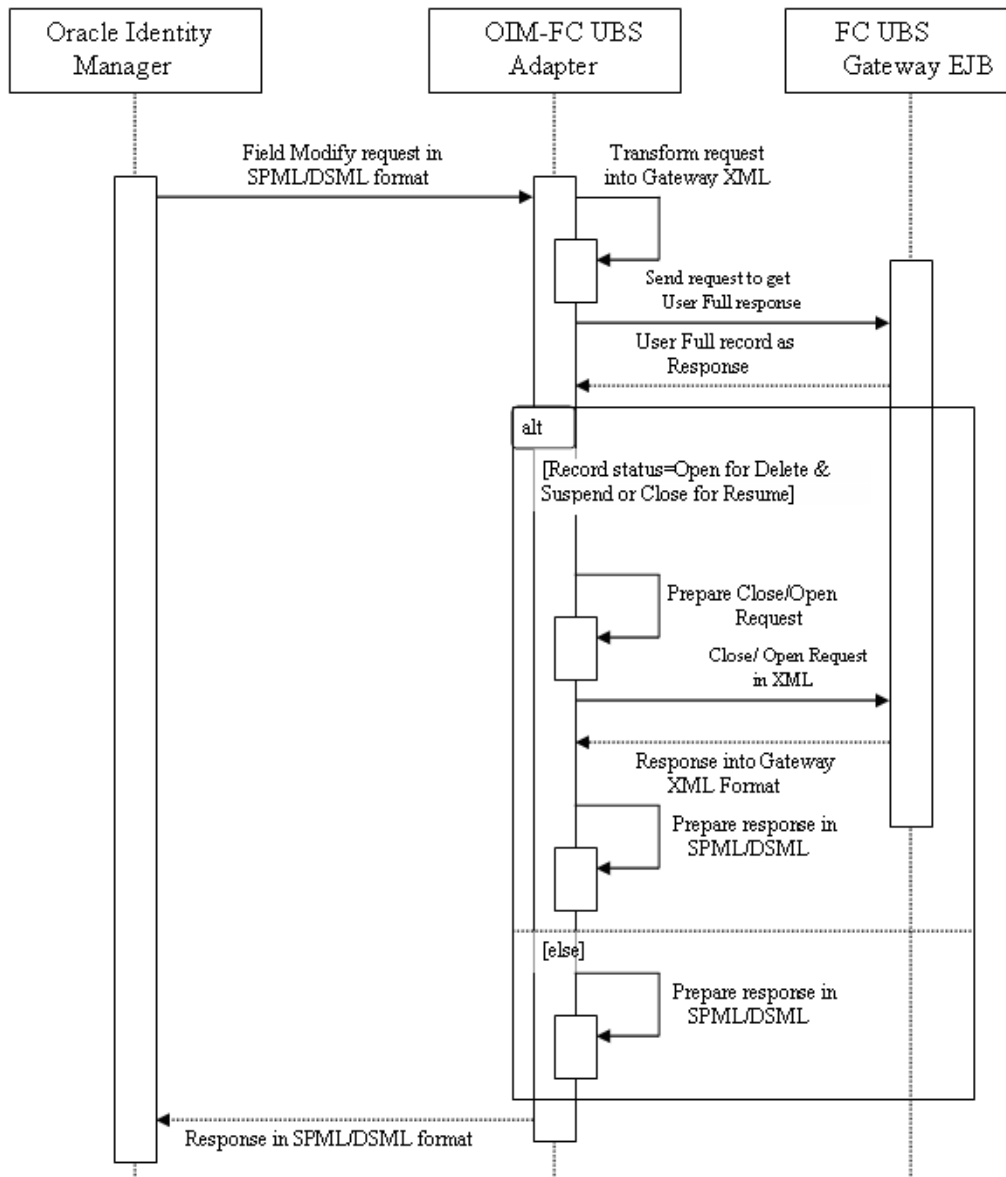
4.2.4.1 **Message Exchange Sequence for User Creation**



4.2.4.2 **Message Exchange Sequence for User Field Modification/Set Password**



4.2.4.3 Message Exchange Sequence for User Delete/Suspend/Resume Request



5. Installation or Configuration

5.1 Environment Setup/Configurations

FCUBS - OIM Integration environment setup requires

- OIM FCUBS Adapter setup & configuration
- OIM setup



This implementation document describes the installation and setup of OIM FCUBS Adapter on Oracle Fusion Middleware 11g Release 1 (11.1.1.5).

5.1.1 OIM FCUBS Adapter Setup

Prerequisite

Gateway EJB component

OIM FCUBS adapter consists of two web services:

- FCUBSLOVAdService : To fetch list of values from FCUBS Database
- FCUBSProvisioningAdService: To handle OIM's request and response for user provisioning and de-provisioning services. This web service requires FCUBS Gateway EJB either on same Weblogic Application server or another. If it is on same Weblogic Application server then this web service is deployed as child of Gateway EJB.

OIM FCUBS adapter setup is all about deployment of these web services on Oracle Fusion Middleware 11g Release 1 (11.1.1.5).

5.1.1.1 Environment Setup

The following steps to be followed to do the initial environment setup for OIM FCUBS adapter deployment:

1. Copy following folders from the Kernel Vercon Software Release area
 - <FCUBS Release Name>\ADAPTERS\OIM\FCUBSLOVAdService
 - <FCUBS Release Name>\ADAPTERS\OIM\FCUBSProvisioningAdService
 - <FCUBS Release Name>\ADAPTERS\OIM\setup

to local machine (say **D:\OIM** for WINDOWS or **/home/kernel/OIM** for UNIX).



If Gateway EJB server and OIM server is on same system, then copy entire folder from Kernel Vercon software release area to local machine.

In this document SPMLADAPTER_INSTALL_DIR specifies the directory where adapter will be installed.

e.g.

For WINDOWS: SPMLADAPTER_INSTALL_DIR=D:\

For UNIX:

SPMLADAPTER_INSTALL_DIR=/home/kernel/

OIM_SERVER_INSTALL_DIR specifies the OIM server installation directory (like D:\Oracle\Middleware\weblogic\Oracle_IDM1 in windows or /Oracle/Middleware/weblogic/Oracle_IDM1 in unix).

2. Create a Data source in WebLogic Server Version: 10.3.5.0.


[\[Refer Appendix 8.1 Data Source Creation\]](#)

3. Modify configuration files as below:

- Edit **<SPMLADAPTER_INSTALL_DIR>OIM\FCUBSLOVAdService\src\webcontent\WEB-INF\web.xml**. This XML file shall have a similar section as the one shown below (Change the values given in bold)

```
<resource-ref>
    <res-ref-name>OIMLOVSQA</res-ref-name>
    <res-type>javax.sql.DataSource</res-type>
    <res-auth>Container</res-auth>
</resource-ref>
<env-entry>
    <description>Property File Path</description>
    <env-entry-name>propertyPath</env-entry-name>
    <env-entry-type>java.lang.String</env-entry-type>
    <env-entry-value>D:/OIM/FCUBSLOVAdService/config/</env-entry-value>
</env-entry>
```

- **Edit resource-ref section:** Mention the JNDI name of the Datasource created in Application server for FLEXCUBE UBS Messaging Database Layer Instance at step 3 as res-ref-name.
- **Edit Property File Path:** Give the absolute path for lookup_prop.xml as env-entry-value. Ideally, this file is residing in < SPMLADAPTER_INSTALL_DIR>OIM\FCUBSLOVAdService\config.

 Give "/" for at the end of the path. Also, note that as separator forward slash has been used instead of backward.

- Edit **<SPMLADAPTER_INSTALL_DIR>OIM\FCUBSLOVAdService\config\lookup_prop.xml**. This XML file shall have a similar section as the one shown below, (Change the values given in bold)

```
<!-- DataBase Connection -->
    <add key="FCUBS_CON_POOLNAME" value="OIMLOVSQA"/>
<!-- DataBase Connection -->
<add key="LOGGER_PATH" value="D:/OIM/FCUBSLOVAdService/config/lookup_logger.xml"/>
```

- **Edit FCUBS_CON_POOLNAME:** Give the same Datasource JNDI name mentioned in above web.xml for FLEXCUBE UBS Messaging Database Layer Instance.

- **Edit `LOGGER_PATH`:** Give the logging configuration absolute path for `lookup_logger.xml`. This file is residing in `<SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\config` folder.



As separator use forward slash instead of backward slash.

- Edit `<PMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\config\lookup_logger.xml`. This XML file shall have a similar section as the one shown below, (Change the values given in bold)

```
<add key="ADOIM.LOGGER.FPATH" value="D:/OIM/FCUBSLOVAdService/log"/>
```

- **ADOIM.LOGGER.FPATH:** Give the absolute path where log files will be stored. It is recommended that mention the following path
`<SPMLADAPTER_INSTALL_DIR>/OIM/FCUBSLOVAdService/log/`



As separator use forward slash instead of backward slash. Give "/" for at the end of the path.

- Edit `<SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService\src\webcontent\WEB-INF\web.xml`. This XML file shall have a similar section as the one shown below (Change the values given in bold)

```
<ejb-ref>
  <ejb-ref-name>GWEJB_GW_EJB_Bean</ejb-ref-name>
  <ejb-ref-type>Session</ejb-ref-type>
  <home>com.iflex.fcubs.gw.ejb.GWEJBRemoteHome</home>
  <remote>com.iflex.fcubs.gw.ejb.GWEJBRemote</remote>
</ejb-ref>
<env-entry>
  <description>Property File Path</description>
  <env-entry-name>propertyPath</env-entry-name>
  <env-entry-type>java.lang.String</env-entry-type>
  <env-entry-value>D:/OIM/FCUBSProvisioningAdService/config/</env-entry-value>
</env-entry>
```

- **Edit `ejb-link`:** To refer Gateway EJB from the web service locally the reference of Gateway EJB has been defined in this deployment descriptor file. Give the Gateway EJB name here as `ejb-link`, mentioned as `ejb-name` in `ejb-jar.xml` deployment descriptor file of Gateway EJB.
- **Edit Property File Path:** Give the absolute path for `ADOIM_Prop.xml` as `env-entry-value`. This file is residing in `<SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService\config`.



Give "/" for at the end of the path. Also, note that as separator forward slash has been used instead of backward.

- Edit **<SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\config\ADOIM_Prop.xml**. This XML file shall have a similar section as the one shown below, (Change the values given in bold)

```

<add key="GW_EJB_JNDI_NAME" value="GWEJB/ejb/GW_EJB_Bean"/>

<add key="GW_EJB_CALL_TYPE" value="REMOTE"/>

<add key="GW_EJB_CTX_FACTORY" value="weblogic.jndi.WLInitialContextFactory"/>

<add key="GW_EJB_SERVER_URL" value="t3://localhost:7101"/>

<add key="GW_EJB_SECURITY_PRINCIPAL" value=""/>

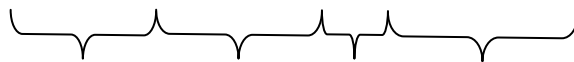
<add key="GW_EJB_SECURITY_CREDENTIALS" value=""/>

```

- **Edit GW_EJB_JNDI_NAME:** Give the Gateway EJB JNDI name.
- **Edit GW_EJB_CALL_TYPE:** Give the LOCAL or REMOTE (must be in Upper Case) based on the way EJB is to be referred from web service. If FCUBS Gateway EJB is deployed on same Weblogic Application server then it should be REMOTE.
- **Edit GW_EJB_SERVER_URL:** Give the application server URL where Gateway EJB is deployed.

Following are the parts that make this URL:

t3://HOSTNAME:Port/GW_EJB_Bean



Protocol Host Name Weblogic Port EJB Name

Protocol: This should be t3 as in WebLogic application server.

Server URL: This should be the IP address or fully qualified computer name (i.e. <computer name>.<domain>) of the system where the application server is running on which Gateway EJB has been deployed.

Port: This should be the same as **request port** mentioned in domain.xml file.

EJB Name: This should be the name of the Gateway EJB name (given in ejb-jar.xml as ejb-name tag value).

- **Edit GW_EJB_SECURITY_PRINCIPAL:** Give the administrator user id of the application server where Gateway EJB is running.
- **Edit GW_EJB_SECURITY_CREDENTIALS:** Password of the application server where Gateway EJB is running.

To store application server password follow the below steps: these steps will encrypt the Application server's administrator password and store that into property file:

- Open command prompt.
- Change the directory to the **<SPMLADAPTER_INSTALL_DIR>/OIM/FCUBSProvisioningAdService/setup**.
- Type **ChangePassword.bat** and press the enter key.
- Above will prompt you for properties file path
- Enter the absolute path of **ADOIM_Prop.xml**.

- Enter the property file name as ADOIM_Prop.xml.
- Enter the User Id property name as GW_EJB_SECURITY_PRINCIPAL
- Enter Weblogic Application server's administrator User ID
- Enter the Password property name as GW_EJB_SECURITY_CREDENTIALS
- Enter Weblogic Application server's administrator password and press enter key
- The above steps will store the encrypted password in the property file. Please note that on successful completion "The Password has been changed successfully!!!" message will appear at the end. If not so please repeat the steps for storing password again.
- Edit following section in the
<SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\config\ADOIM_Prop.xml file:
 (Change the values given in bold)

```

<add key="MAKER_ID" value="OIMUSER9"/>

<add key="HEAD_OFFICE" value="CHO"/>

<add key="REQ_SOURCE" value="IDM"/>

<add key="UBS_OR_IS" value="FCUBS"/>

<add key="LOGGER_PATH"
value="D:/OIM/FCUBSProvisioningAdService/config/adoim_logger.xml"/>

<add key="FCUBS_SPML_ERROR_FILE" value="D:/OIM/FCUBSProvisioningAdService/config/
FCUBS_SPML_ERROR.properties"/>

<add key="ADOIM_MSG_LOGGING_ENABLED" value="N"/>

<add key="ADOIM_MSG_LOGGING_PATH" value="D:/OIM/FCUBSProvisioningAdService/log"/>

```

- **Edit MAKER_ID:** Give FCUBS user id that can serve as maker id for all OIM requests. Please ensure that this id should be a valid user in FCUBS and should have rights for creating, authorizing and modifying user.
- **Edit HEAD_OFFICE:** Give the head office branch code.
- **Edit REQ_SOURCE:** Give the external source name. Please ensure that maintenance of this external source has been done in FCUBS.
- **Edit UBS_OR_IS:** The value for UBS_OR_IS is either FCUBS or FCIS based on the application to which the user need to be provisioned.
- **Edit LOGGER_PATH:** Give the logging configuration absolute path for adoim_logger.xml. This file is residing in <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService\config folder.
- **Edit FCUBS_SPML_ERROR_FILE:** Give the absolute path for fcubs_spml_error.properties. This file is residing in < SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService\config folder.
- **Edit ADOIM_MSG_LOGGING_ENABLED:** Give 'Y' if OIM request and response message is required to be stored separately otherwise give 'N'.
- **Edit ADOIM_MSG_LOGGING_PATH:** Give the absolute path where OIM request–response will get stored.



As separator use forward slash instead of backward slash. Give “/” for at the end of the path.

- Edit <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService\config\adoim_logger.xml. This XML file shall have a similar section as the one shown below, (Change the values given in bold)

```
<add key="ADOIM.LOGGER.FPATH" value="D:/OIM/FCUBSProvisioningAdService /log/">
```

- **Edit ADOIM.LOGGER.FPATH:** Give the absolute path where log files will be stored. It is recommended that mention the following path <SPMLADAPTER_INSTALL_DIR>/OIM/FCUBSProvisioningAdService/log/



As separator use forward slash instead of backward slash. Give “/” for at the end of the path.

1. Building the Deployment Units.

- For WINDOWS

2. Building FCUBSLOVAdService.ear

- Edit <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\setup\WEBLOGIC\ build.xml to set {server_home} entry to Weblogic Server installed directory

Eg: D:\Middleware\wlserver_10.3

- Open a DOS command-prompt and change directory to,

D:\OIM\FCUBSLOVAdService\

- Set PATH to JDK\bin and ANT\bin in the command prompt
- Set JAVA_HOME
- Change the directory to D:\OIM\FCUBSLOVAdService\setup\WEBLOGIC
- Execute the build file,
- Type “ant” on the command-prompt and press enter.

Above step creates an EAR file in D:\OIM\FCUBSLOVAdService\build with the name FCUBSLOVAdService.ear

3. Building FCUBSProvisioningAdService.ear

- Edit <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService \setup\WEBLOGIC\build.xml to set {server_home} and {JAVA_HOME} entry to Weblogic Server installed directory and JDK Installed directory.

Eg: D:\Middleware\wlserver_10.3

C:\Program Files\java\jdk160_24

- Change directory to,

D:\OIM\FCUBSProvisioningAdService\setup\WEBLOGIC

- Execute the build file,
- Type “ant” on the command-prompt and press enter.

Above step creates an EAR file in build D:\OIM\FCUBSProvisioningAdService folder with the name FCUBSProvisioningAdService.ear

- For UNIX

4. Building FCUBSLOVAdService.ear

- Modify {server_home} entry in the build.xml to where Weblogic Server is installed (for example /home/kernel/Middleware/wlserver_10.3)
- Open a UNIX shell prompt and change directory to,

```
/home/OIM/FCUBSLOVAdService
```

- Set PATH environment variable with JDK\bin path and ANT\bin path in the command prompt.
- Change the directory to

```
< SPMLADAPTER_INSTALL_DIR>\FCUBSLOVAdService\setup\WEBLOGIC
```

- Execute the build file,
- Type “ant” on the shell prompt and press enter.

Above step creates an EAR file in /home/kernel/OIM/FCUBSLOVAdService/build folder with the name FCUBSLOVAdService.ear

5. Building FCUBSProvisioningAdService.ear

- Edit <SPMLADAPTER_INSTALL_DIR>/OIM/FCUBSProvisioningAdService/setup/WEBLOGIC/build.xml to set {server_home} entry to Weblogic Server installed directory
- Eg: home/Oracle/Middleware/wlserver_10.3

```
home/java/jdk160_24
```

- Change directory to,

```
/home/kernel/OIM/FCUBSProvisioningAdService\setup\WEBLOGIC
```

- Execute the build file,
- Type “ant” on the command-prompt and press enter.

Above step creates an EAR file in /home/kernel/OIM FCUBSProvisioningAdService/build folder with the name FCUBSProvisioningAdService.ear

5.1.1.2 Deployment

Deploy FCUBSLOVAdService

1. Login to Administrative Console
2. Enter Weblogic administrator username/password and press **Login**.

Welcome

Log in to work with the WebLogic Server domain

Username:

Password:

WebLogic Server Version: 10.3.5.0
Copyright © 1996,2010, Oracle and/or its affiliates. All rights reserved.
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

3. Click on **Deployments** and then **Lock & Edit** as shown in below screen:

The screenshot shows the Oracle WebLogic Server Administration Console interface. On the left sidebar, under 'Domain Structure', the 'Deployments' link is highlighted with a red box. Below it, the 'Lock & Edit' button is also highlighted with a red box. The main content area displays the 'Summary of Deployments' page, which includes a table of installed applications and modules. The 'Install' button at the top of the table is highlighted with a red box.

Name	State	Health	Type	Deployment Order
adf.oracle.businesseditor(1.0, 11.1.1.2.0)	Active		Library	100
adf.oracle.domain(1.0, 11.1.1.2.0)	Active		Library	100
adf.oracle.domain.webapp(1.0, 11.1.1.2.0)	Active		Library	100
AqAdapter	Active	OK	Resource Adapter	324
ASConfigManagement	Active	OK	Web Application	400
B2Bui	Active	OK	Enterprise Application	313
composer	Active	OK	Enterprise Application	315
DbAdapter	Active	OK	Resource Adapter	322
DefaultToGoTaskFlow	Active	OK	Enterprise Application	314
DIP (11.1.1.2.0)	Active	OK	Enterprise Application	100

4. Click on the **Install** as shown below.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help Welcome, weblogic Connected to: JDFMDomain

Home > Summary of Deployments

Summary of Deployments

Control **Monitoring**

This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page.

To install a new application or module for deployment to targets in this domain, click the Install button.

Customize this table

Deployments

Install Update Delete Start Stop

Showing 1 to 10 of 94 Previous Next

Name	State	Health	Type	Deployment Order
adf.oracle.businesseditor(1.0,11.1.1.2.0)	Active		Library	100
adf.oracle.domain(1.0,11.1.1.2.0)	Active		Library	100
adf.oracle.domain.webapp(1.0,11.1.1.2.0)	Active		Library	100
AqAdapter	Active	OK	Resource Adapter	324
ASConfigManagement	Active	OK	Web Application	400
b2bus	Active	OK	Enterprise Application	313
composer	Active	OK	Enterprise Application	315
DbAdapter	Active	OK	Resource Adapter	322
DefaultToDoTaskFlow	Active	OK	Enterprise Application	314
DIP (1.1.1.1.2.0)	Active	OK	Enterprise Application	100

Install Update Delete Start Stop

Showing 1 to 10 of 94 Previous Next

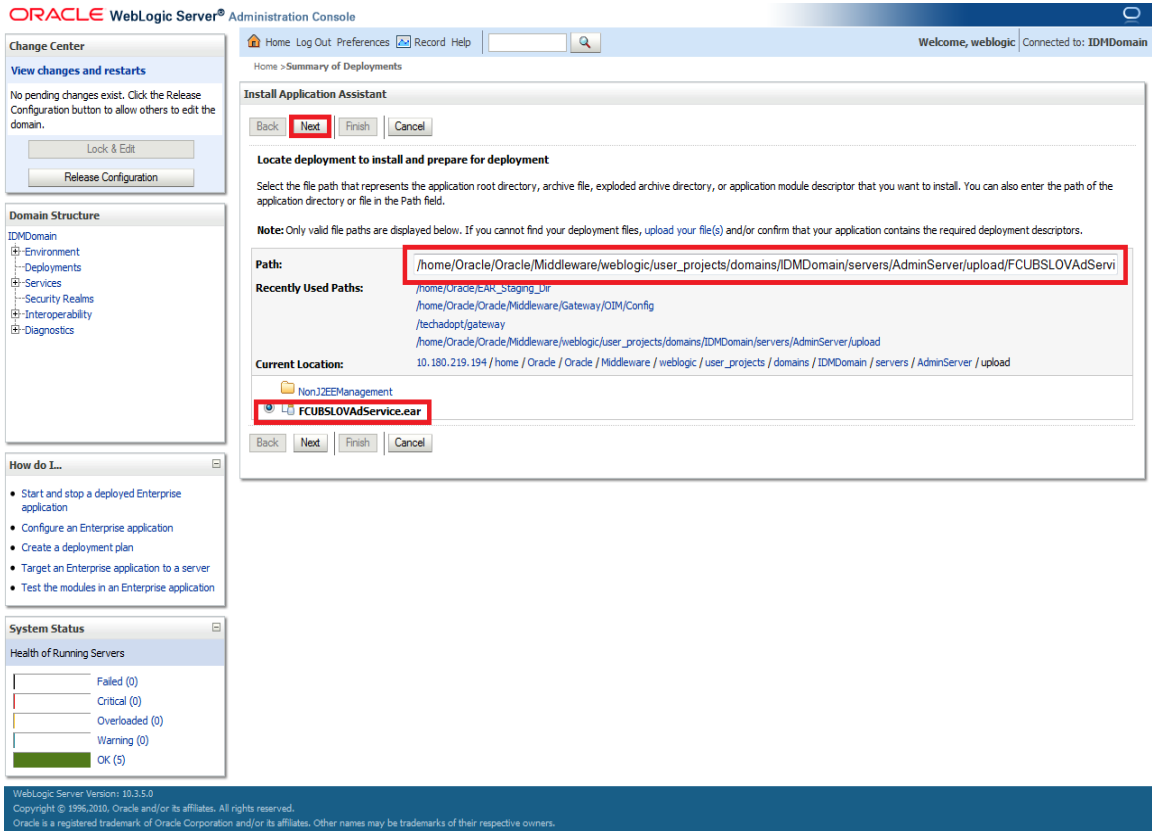
WebLogic Server Version: 11.3.5.0
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5. Change the Path to locate the enterprise archive file:

<SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\build\

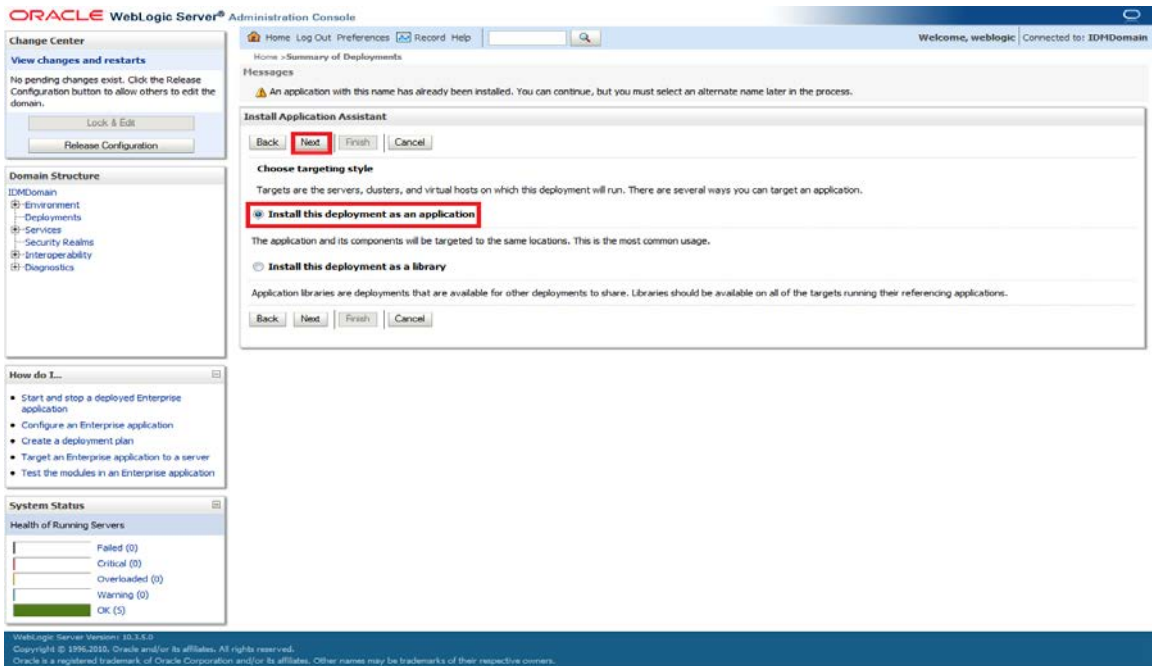
6. Select the enterprises archive file FCUBSLOVAdService.ear

7. Click on **Next**



8. Select – Install this deployment as an application.

9. Click on **Next**.



10. Select the Application Server Instance in which the FCUBSLOVAdService needs to be deployed.

11. Click on **Next**.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help Welcome, weblogic Connected to: IDHDomain

Home - Summary of Deployments

Change Center
 View changes and restarts
 No pending changes exist. Click the Release Configuration button to allow others to edit the domain.
 Lock & Edit
 Release Configuration

Domain Structure
 IDHDomain
 Environment
 Deployments
 Services
 Security Realms
 Interoperability
 Diagnostics

How do I...
 Start and stop a deployed Enterprise application
 Configure an Enterprise application
 Create a deployment plan
 Target an Enterprise application to a server
 Test the modules in an Enterprise application

System Status
 Health of Running Servers
 Failed (0)
 Critical (0)
 Overloaded (0)
 Warning (0)
 OK (5)

Install Application Assistant
 Back Next Finish Cancel

Select deployment targets
 Select the servers and/or clusters to which you want to deploy this application. (You can reconfigure deployment targets later).

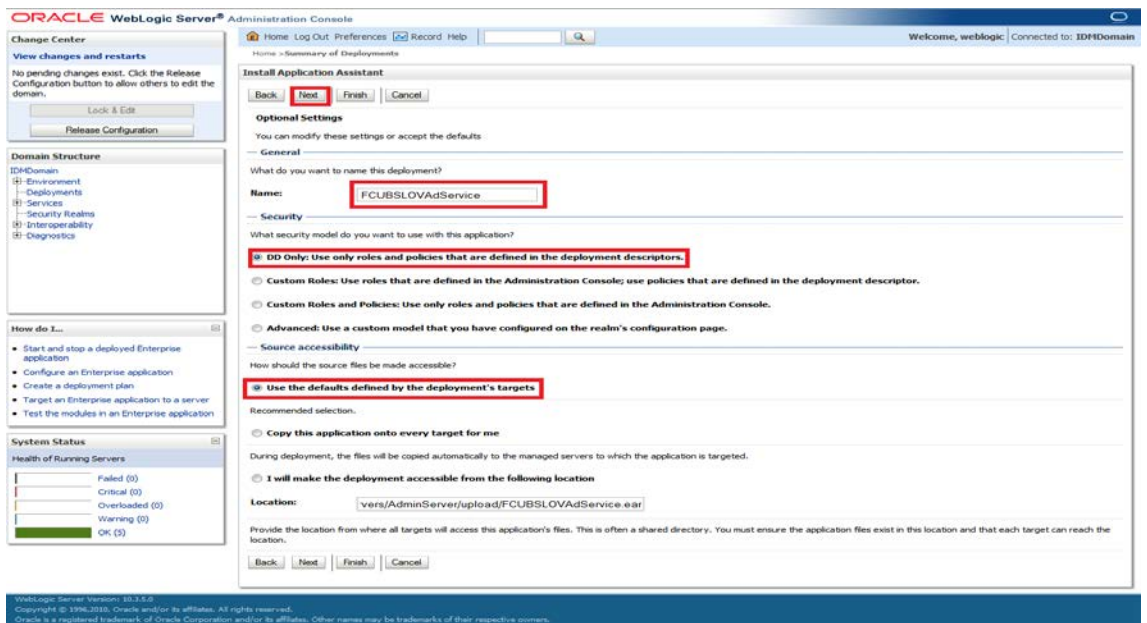
Available targets for FCUBSLOVAdService:

Servers	
<input type="checkbox"/>	AdminServer
<input checked="" type="checkbox"/>	Applications
<input type="checkbox"/>	oam_server1
<input type="checkbox"/>	oim_server1
<input type="checkbox"/>	osr_server1
<input type="checkbox"/>	soa_server1
<input type="checkbox"/>	wls_ods1
<input type="checkbox"/>	wls_of1

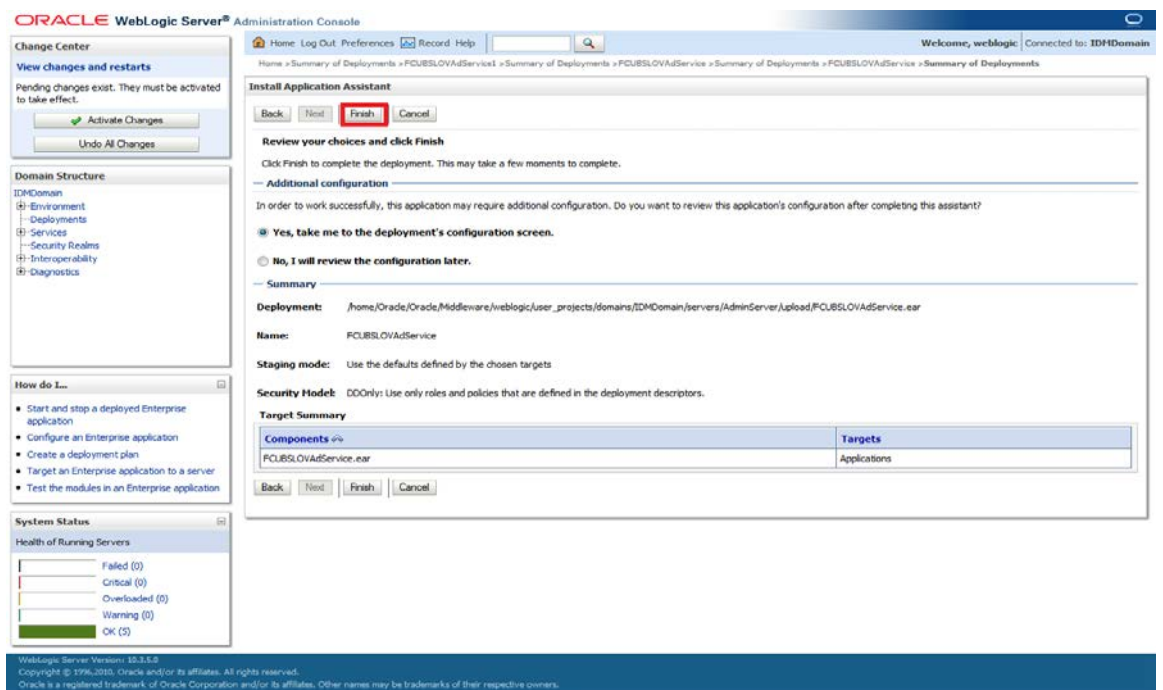
Back Next Finish Cancel

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12. Change the deployment name as required.
13. Keep the default on Security and Source accessibility as below
14. Click on **Next**



15. Click on **Finish**.



16. Click on **Save**.
17. Click on Release Configuration

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: IDFDomain

Settings for FCUBSLOVAService

Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes

Save

Use this page to view the general configuration of an Enterprise application, such as its name, the physical path to the application files, the associated deployment plan, and so on. The table at the end of the page lists the modules (such as Web applications and EJBs) that are contained in the Enterprise application. Click on the name of the module to view and update its configuration.

Name: FCUBSLOVAService The name of this Enterprise Application. [More Info...](#)

Path: /home/Oracle/Oracle/Middleware/Gateway/ODM/Config/FCUBSLOVAService.ear The path to the source of the deployable unit on the Administration Server. [More Info...](#)

Deployment Plan: (no plan specified) The path to the deployment plan document on Administration Server. [More Info...](#)

Staging Mode: (not specified) The mode that specifies whether a deployment's files are copied from a source on the Administration Server to the Managed Server's staging area during application preparation. [More Info...](#)

Security Model: DDOOnly The security model that is used to secure a deployed module. [More Info...](#)

Deployment Order: 100 An integer value that indicates when this unit is deployed, relative to other deployable units on a server, during startup. [More Info...](#)

Deployment Principal Name: A string value that indicates what principal should be used when deploying the file or archive during startup and shutdown. This principal will be used to set the current subject when calling out into application code for interfaces such as ApplicationLifecycleListener. If no principal name is specified, then the anonymous principal will be used. [More Info...](#)

Save

Modules and Components

Name	Type
FCUBSLOVAService	Enterprise Application

Showing 1 to 1 of 1 Previous | Next

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18. Click Deployments
19. Select the service deployed
20. Click on Start -> Servicing all requests

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: IDFDomain

Summary of Deployments

Control Monitoring

This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page.

To install a new application or module for deployment to targets in this domain, click the Install button.

Customize this table

Deployments

Install Update Delete Start Stop

Name	State	Health	Type	Deployment Order
DMS Application (11.1.1.1.0)	Active	OK	Web Application	5
odm	Active	OK	Enterprise Application	400
emsa	Active		Library	100
emms	Active		Library	100
emmc	Active		Library	100
FCUBS12	New		Enterprise Application	100
FCUBS120	New		Enterprise Application	100
FCUBSACSService	Active	OK	Enterprise Application	100
FCUBSLOVAService	Active	OK	Enterprise Application	100
FCUBSPROVISIONINGASService	New		Enterprise Application	100

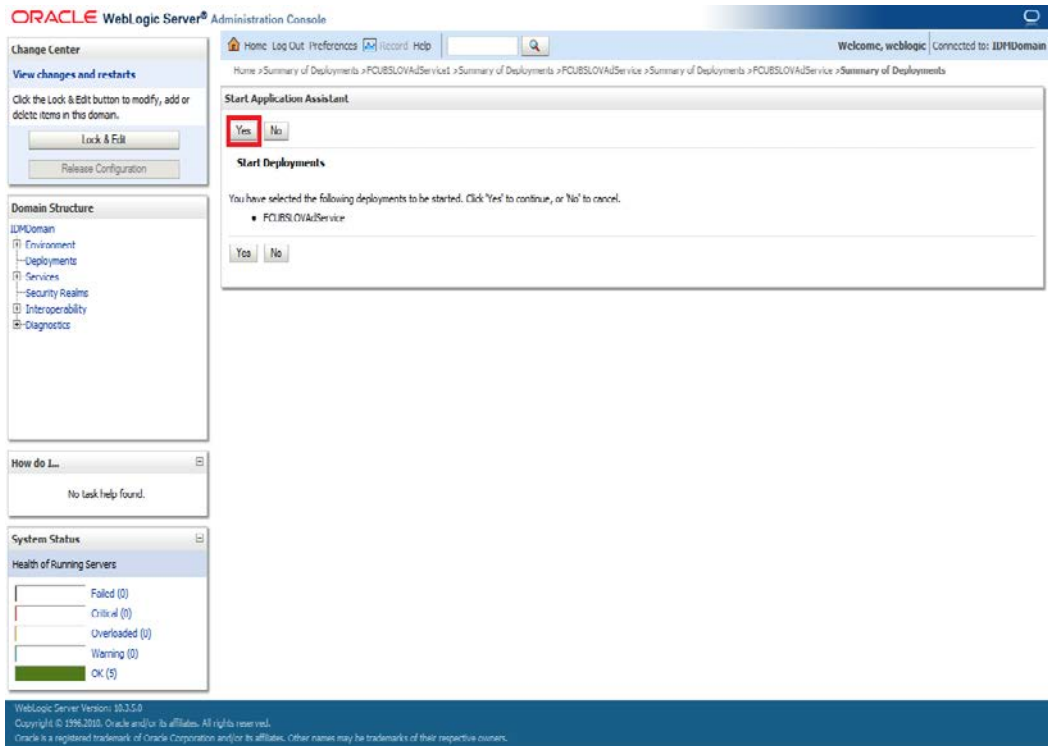
Showing 11 to 20 of 94 Previous | Next

Install Update Delete Start Stop

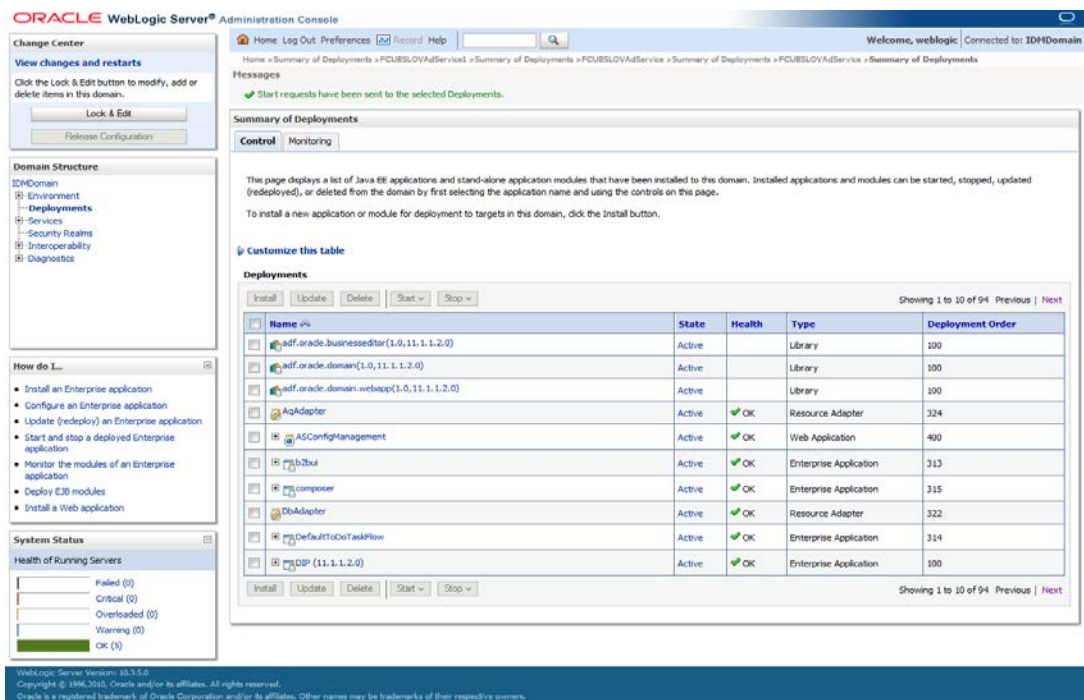
Servicing all requests
Servicing only administration requests

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21. Click on **Yes**



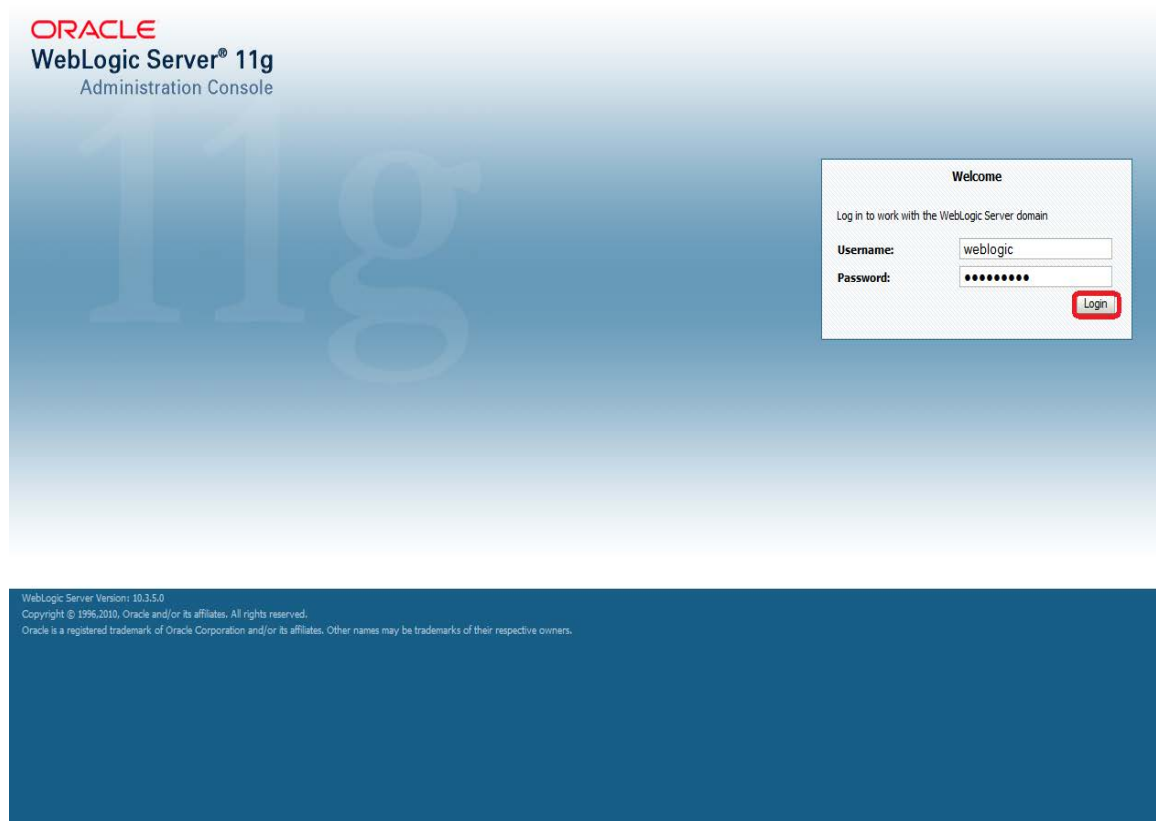
22. Start requests have been sent to the selected Deployments will appear and the service will be started successfully.



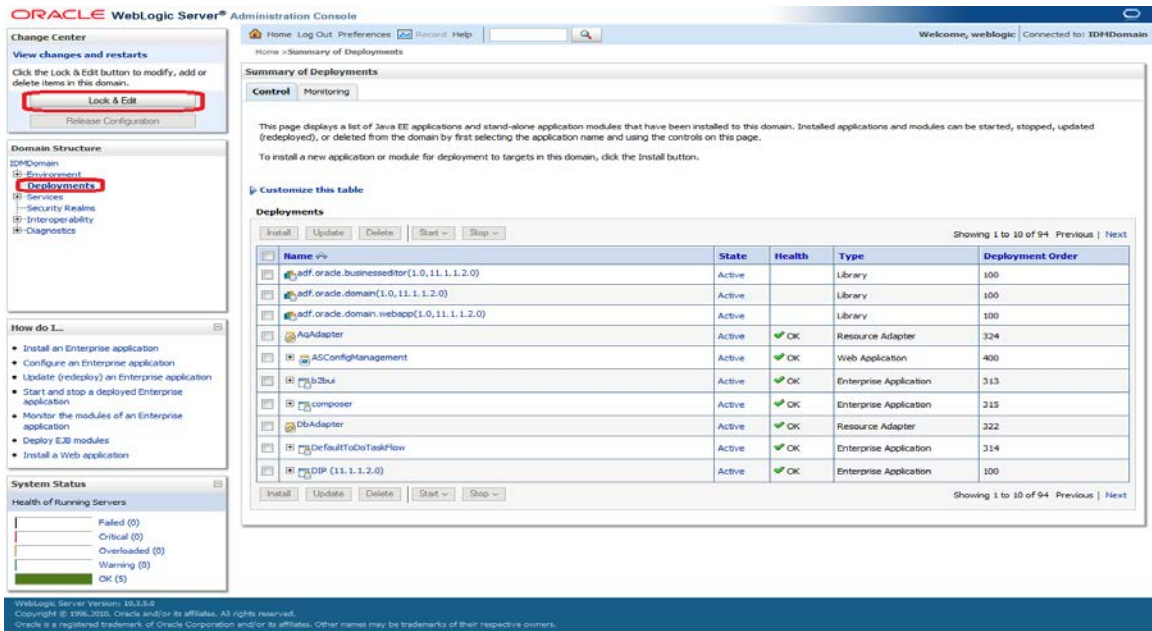
5.1.2 Deploy FCUBSProvisioningAdService

If the **GW_EJB_CALL_TYPE** is set as **REMOTE** in the **ADOIM_Prop.xml** then follow the same step as above (Section 5.1.1.2.1) to deploy the FCUBSProvisioningAdService web service with following changes

1. Select the ear file from the path <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService\build\FCUBSProvisioningAdService.ear
 - ✓ Give the application name as FCUBSProvisioningAdService.
2. If the **GW_EJB_CALL_TYPE** is set as **REMOTE** in the **ADOIM_Prop.xml**, follow the below steps:
3. Login to Administrative Console
4. Enter Weblogic administrator username/password and press **Login**.

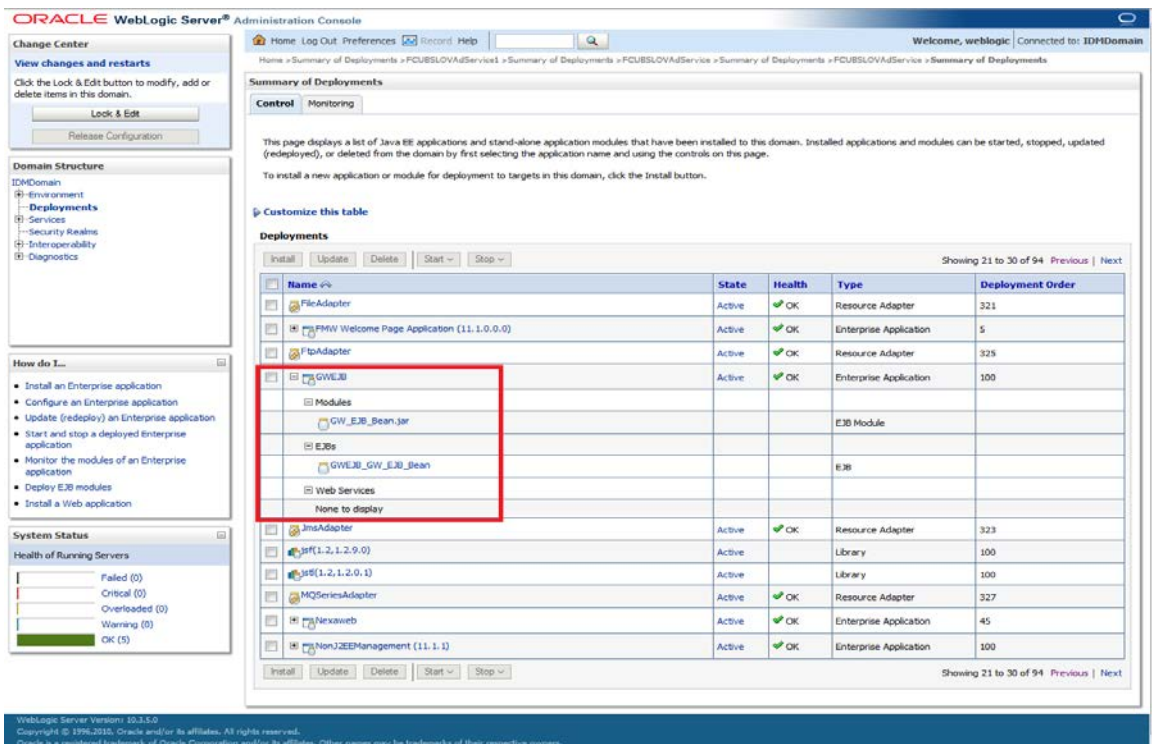


5. Click on **Deployments** and **Lock & Edit** as shown in below screen:

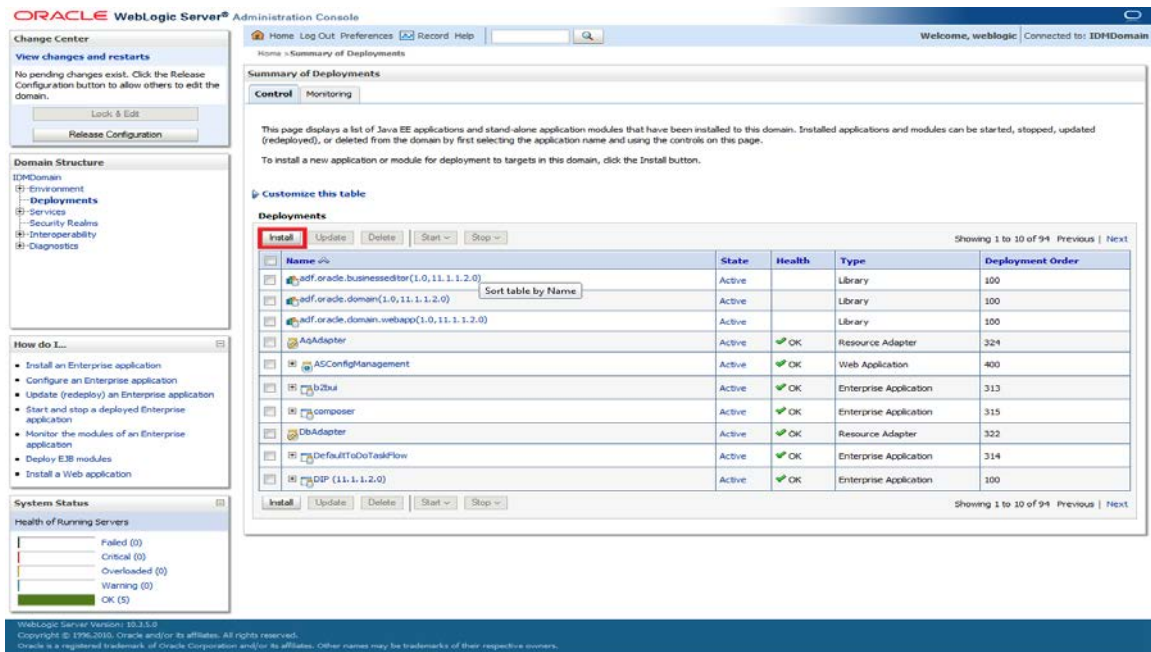


The following screen is displayed.

6. Make sure that Gateway EJB bean is already deployed there as shown in below screen shot.



7. Click on **Install** as shown below.



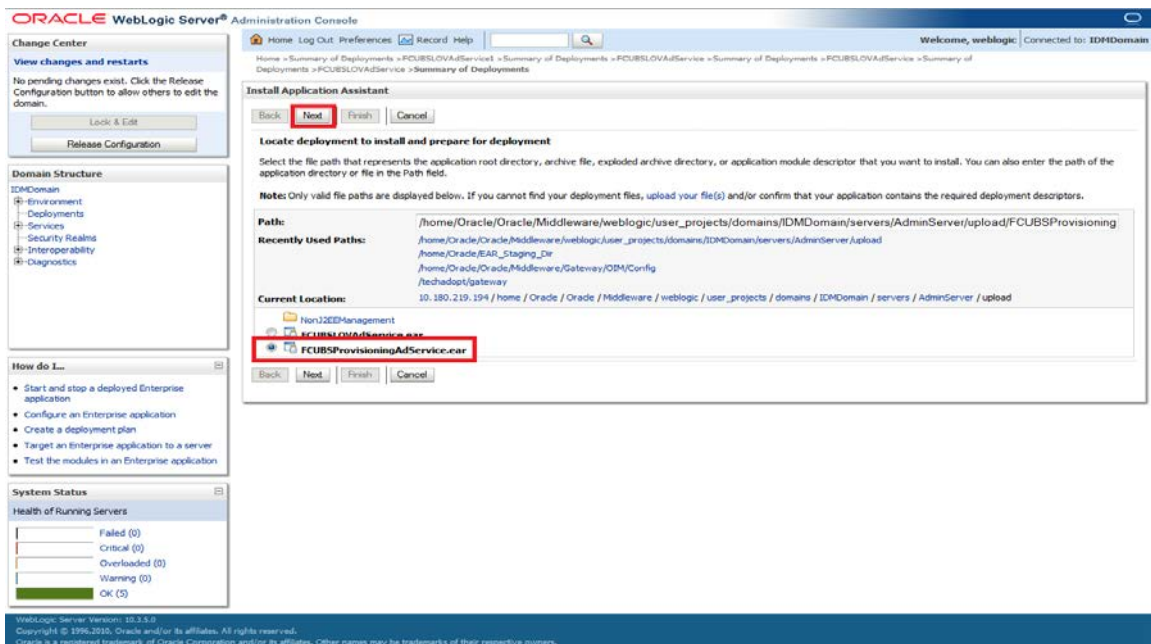
The following screen is displayed.

8. Change the Path to locate the enterprise archive file:

<SPMLADAPTER_INSTALL_DIR>\OIM\ FCUBSProvisioningAdService \build\

9. Select the enterprises archive file FCUBSProvisioningAdService.ear

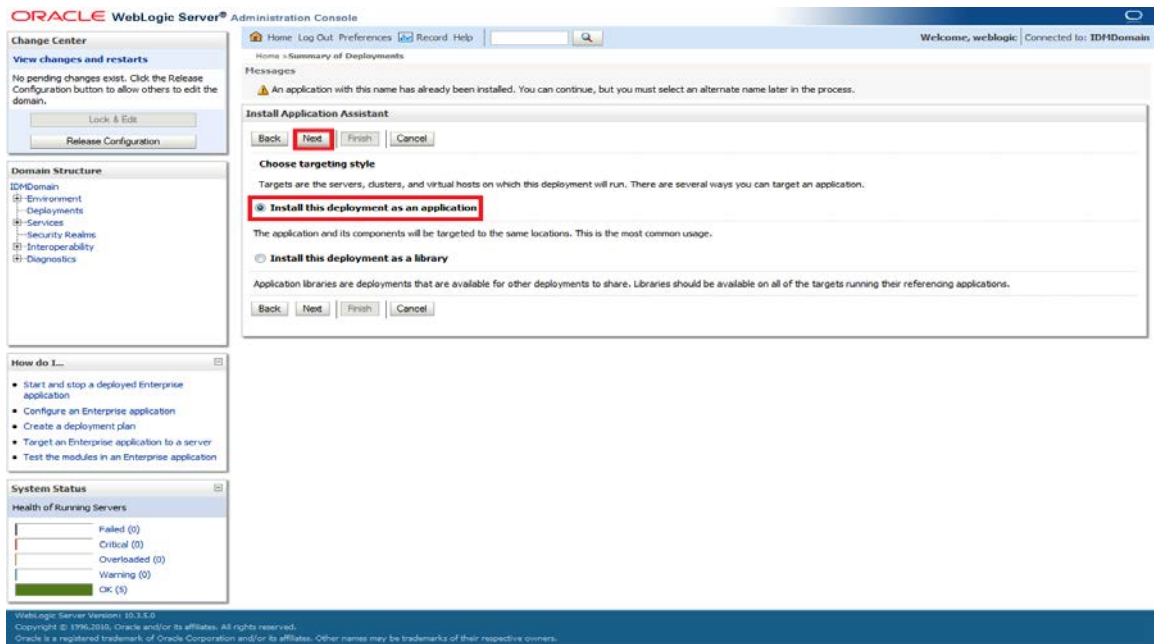
10. Click on **Next**



The following screen is displayed.

11. Select – Install this deployment as an application.

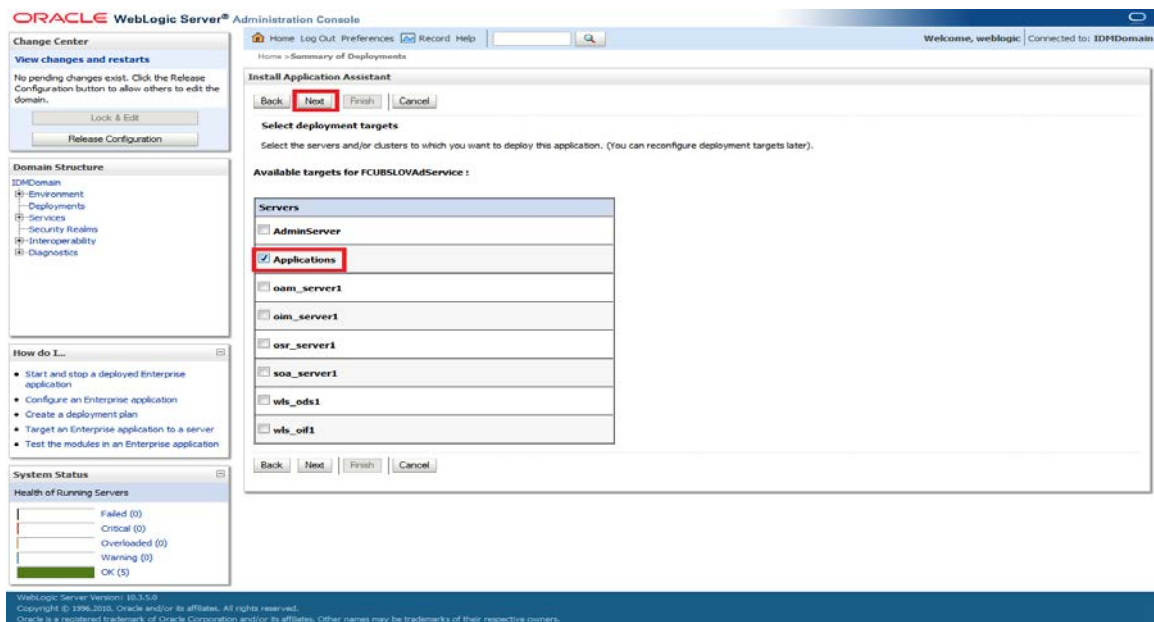
12. Click on **Next**.



The following screen is displayed.

13. Select the Application Server Instance in which the FCUBSProvisioningAdService needs to be deployed.

14. Click on **Next**.



The following screen is displayed.

15. Change the deployment name as required.

16. Keep the default on Security and Source accessibility as below

17. Click on **Next**

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: IDMDomain

Change Center
View changes and restarts
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.
Lock & Edit
Release Configuration

Domain Structure
IDMDomain
├─ Environments
├─ Deployments
├─ Services
├─ Security Realms
├─ Interoperability
└─ Diagnostics

How do I...
• Start and stop a deployed Enterprise application
• Configure an Enterprise application
• Create a deployment plan
• Target an Enterprise application to a server
• Test the modules in an Enterprise application

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (5)

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The following screen is displayed.

18. Click on **Finish**.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: IDMDomain

Change Center
View changes and restarts
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.
Lock & Edit
Release Configuration

Domain Structure
IDMDomain
├─ Environment
├─ Deployments
├─ Services
├─ Security Realms
├─ Interoperability
└─ Diagnostics

How do I...
• Start and stop a deployed Enterprise application
• Configure an Enterprise application
• Create a deployment plan
• Target an Enterprise application to a server
• Test the modules in an Enterprise application

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (5)

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The following screen is displayed.

19. Click on **Save**.

20. Click on Release Configuration

The screenshot shows the Oracle WebLogic Server Administration Console interface. The top navigation bar includes 'Home', 'Log Out', 'Preferences', 'Record', and 'Help'. The user is logged in as 'weblogic' and connected to the 'IDMDomain'. The breadcrumb trail indicates the current location: 'Home > Summary of Deployments > FCUBSLOVAdService1 > Summary of Deployments > FCUBSLOVAdService > Summary of Deployments > FCUBSLOVAdService > Summary of Deployments > FCUBSLOVAdService > Summary of Deployments > FCUBSProvisioningAdService'.

The main content area is titled 'Settings for FCUBSProvisioningAdService' and has tabs for 'Overview', 'Deployment Plan', 'Configuration', 'Security', 'Targets', 'Control', 'Testing', 'Monitoring', and 'Notes'. The 'Overview' tab is active, showing a 'Save' button in a red box. Below the 'Save' button is a text box with instructions: 'Use this page to view the general configuration of an Enterprise application, such as its name, the physical path to the application files, the associated deployment plan, and so on. The table at the end of the page lists the modules (such as Web applications and EJBs) that are contained in the Enterprise application. Click on the name of the module to view and update its configuration.'

The configuration details are as follows:

- Name:** FCUBSProvisioningAdService. The name of this Enterprise Application. [More Info...](#)
- Path:** /home/Oracle/Oracle/Middleware/weblogic/user_projects/domains/IDMDomain/servers/AdminServer/upload/FCUBSProvisioningAdService.ear. The path to the source of the deployable unit on the Administration Server. [More Info...](#)
- Deployment Plan:** (no plan specified). The path to the deployment plan document on Administration Server. [More Info...](#)
- Staging Mode:** (not specified). The mode that specifies whether a deployment's files are copied from a source on the Administration Server to the Managed Server's staging area during application preparation. [More Info...](#)
- Security Mode:** DDOnly. The security model that is used to secure a deployed module. [More Info...](#)
- Deployment Order:** 100. An integer value that indicates when this unit is deployed, relative to other deployable units on a server, during startup. [More Info...](#)
- Deployment Principal Name:** (empty). A string value that indicates what principal should be used when deploying the file or archive during startup and shutdown. This principal will be used to set the current subject when calling out into application code for interfaces such as ApplicationLifecycleListener. If no principal name is specified, then the anonymous principal will be used. [More Info...](#)

Below the configuration details is a 'Save' button. At the bottom, there is a 'Modules and Components' section with a table showing one module:

Name	Type
FCUBSProvisioningAdService	Enterprise Application

The footer of the console displays 'WebLogic Server Version: 10.3.5.0', 'Copyright © 1996-2010, Oracle and/or its affiliates. All rights reserved.', and 'Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.'

The following screen is displayed.

21. Click Deployments

22. Select the service deployed

23. Click on Start -> Servicing all requests

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help Welcome, weblogic | Connected to: ID1Domain

Home > FCUBSLOVAdService1 > Summary of Deployments > FCUBSLOVAdService > Summary of Deployments > FCUBSLOVAdService > Summary of Deployments > FCUBSLOVAdService > Summary of Deployments > FCUBSPrevisioningAdService > Summary of Deployments

Summary of Deployments

Control | **Monitoring**

This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page.

To install a new application or module for deployment to targets in this domain, click the Install button.

Customize this table

Deployments

Install Update Delete Start Stop

Showing 11 to 20 of 94 Previous Next

Name	State	Health	Type	Deployment Order
WMS Application (11.1.1.1.0)	Active	OK	Web Application	5
em	Active	OK	Enterprise Application	100
emai	Active		Library	100
emas	Active		Library	100
emcore	Active		Library	100
FCUBS12	New		Enterprise Application	100
FCUBS120	New		Enterprise Application	100
FCUBSAccService	Active	OK	Enterprise Application	100
FCUBSLOVAdService	New		Enterprise Application	100
FCUBSPrevisioningAdService	New		Enterprise Application	100

Install Update Delete Start Stop

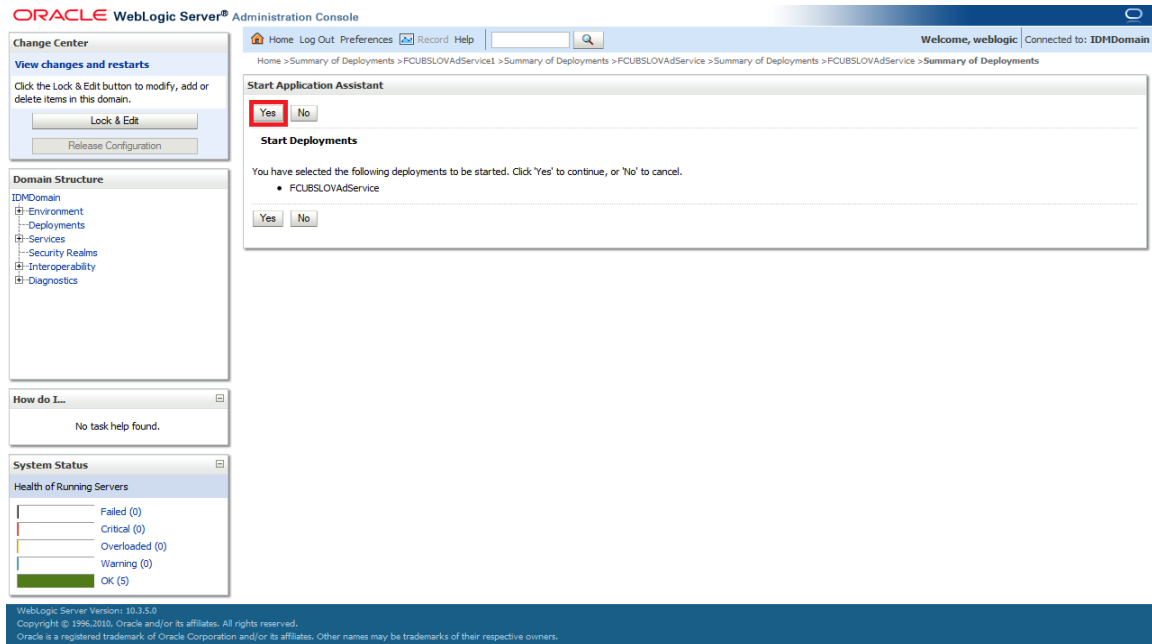
Showing 11 to 20 of 94 Previous Next

Start
Servicing all requests
Servicing only administration requests

WebLogic Server Version: 12.1.3.0
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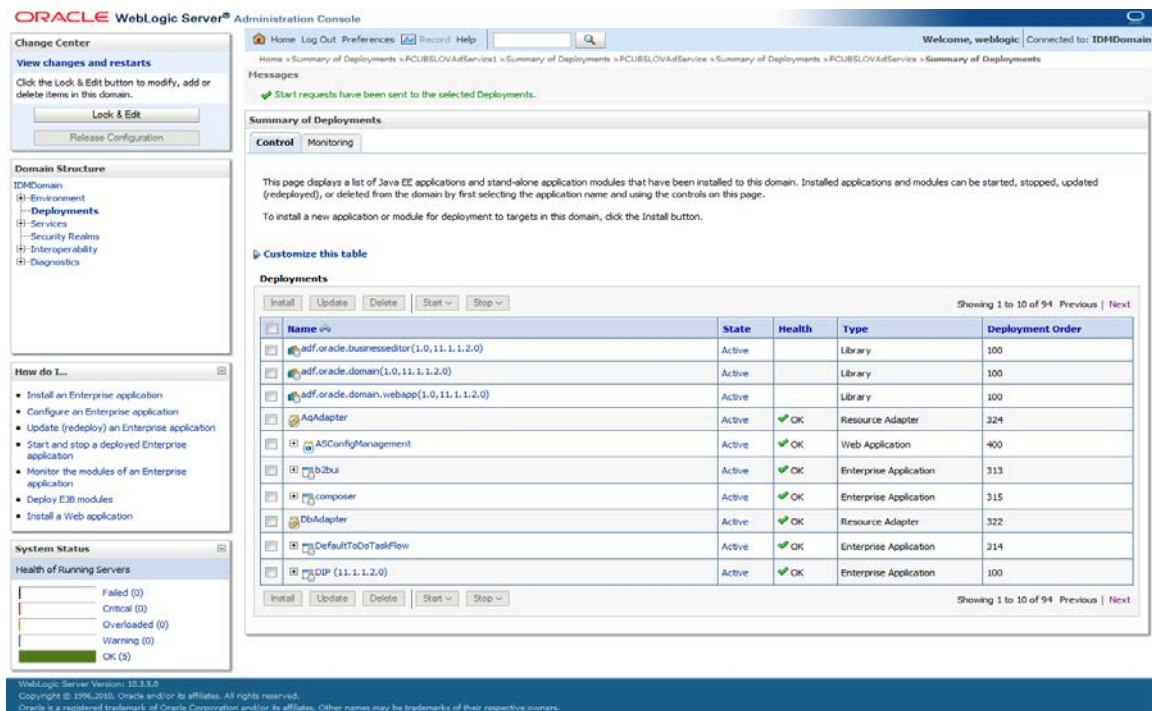
The following screen is displayed.

24. Click on **Yes**



The following screen is displayed.

25. Start requests have been sent to the selected Deployments will appear and the service will be started successfully.



5.1.3 OIM Setup

Prerequisite

- Oracle Identity Server & Oracle Design Console
- OIM side setup should be done on the system where OIM server is running. This setup includes
- Java code deployment of OIM's pre-populate adapter, entity adapter and schedule task & importing integration specific configuration files into OIM

The following steps to be followed to do the initial environment setup:

1. Copy following folders from the Kernel Vercon Software Release area

- <FCUBS Release Name>\ADAPTERS\OIM\OIM-Config
- <FCUBS RELEASE NAME>\ADAPTERS\OIM\setup

to local machine (say D:\OIM for WINDOWS or /home/kernel/OIM for UNIX).

2. Building the deployment units.

For WINDOWS

- Change directory to, D:\OIM\OIM-Config\Entity\setup
- Update PATH environment variable with JDK\bin path and ANT\bin path in the command prompt
- Modify the OIM_SERVER_INSTALL_DIR entry in the build.xml to where OIM Server is installed (for example D:\Oracle\Middleware\weblogic\Oracle_IDM1)
- Execute the build file,
- Type “ant” on the command-prompt and press enter.

Above step creates a JAR file in D:\OIM\OIM-Config\Entity\build\ FCUBSEntityAdapter folder with the name FCUBSEntityAdapter.jar

- Copy this FCUBSEntityAdapter.jar to the <OIM_SERVER_INSTALL_DIR> \server\JavaTasks folder
- Change directory to,

D:\OIM\OIM-Config\Prepop\setup

- Execute the build file,
- Type “ant” on the command-prompt and press enter.

Above step creates a JAR file in D:\OIM\OIM-Config\Prepop\build\FCUBSPrePopAdapter folder with the name FCUBSPrePopAdapter.Jar.

- Copy this FCUBSPrePopAdapter.jar to the <OIM_SERVER_INSTALL_DIR> \server\JavaTasks folder

- Change directory to,

D:\OIM\OIM-Config\Sch-Task\setup

- Modify the OIM_SERVER_INSTALL_DIR entry in the build.xml to where OIM Server is installed (for example D:\Oracle\Middleware\weblogic\Oracle_IDM1) and JAVA_HOME entry.
- In the below section of build.xml change the WSDL location hostname and port.

```
<exec executable="{JAVA_HOME}/bin/wsimport">
```

```
<arg line="-keep -p com.iflex.fcubs.integration.oim.ws.client http://  
<hostname>:<port>/FCUBSLOVAdService/FCUBSLOVAdServiceSEI?WSDL"/>
```

```
</exec>
```

- Execute the build file,
- Type “ant” on the command-prompt and press enter.

Above step creates a JAR file in D:\OIM\OIM-Config\Sch-Task\build\ FCUBSLOVSchTask folder with the name **FCUBSLOVSchTask.Jar**

- Copy this FCUBSLOVSchTask.Jar to the < OIM_SERVER_INSTALL_DIR>\server\ScheduleTask folder and <OIM_SERVER_INSTALL_DIR>\server\apps\oim.ear\APP-INF\lib

For UNIX

- Change directory to,

```
/home/kernel/OIM/OIM-Config/Entity/setup
```

- Modify the OIM_SERVER_INSTALL_DIR entry in the build.xml to where OIM Server is installed (for example /Oracle/Middleware/weblogic/Oracle_IDM1)
- Execute the build file,
- Type “ant” on the shell-prompt and press enter.

Above step creates a JAR file in /home/kernel/OIM/OIM-Config/Entity/build/ FCUBSEntityAdapter folder with the name FCUBSEntityAdapter.jar

- Copy this FCUBSEntityAdapter.jar to the <OIM_SERVER_INSTALL_DIR>/ server/JavaTasks folder

- Change directory to,

```
/home/kernel/OIM/OIM-Config/Prepop/setup
```

- Execute the build file,
- Type “ant” on the command-prompt and press enter.

Above step creates a JAR file in /home/kernel/OIM/OIM-Config/Prepop/ build/FCUBSPrePopAdapter folder with the name FCUBSPrePopAdapter.jar.

- Copy this FCUBSPrePopAdapter.jar to the <OIM_SERVER_INSTALL_DIR>/ server/JavaTasks folder
- Change directory to,

```
/home/kernel/OIM/OIM-Config/Sch-Task/setup
```

- Modify the OIM_SERVER_INSTALL_DIR entry in the build.xml to where OIM Server is installed (for example /Oracle/Middleware/weblogic/Oracle_IDM1) and JAVA_HOME entry.
- In the below section of build.xml change the WSDL location hostname and port.

```
<exec executable="${JAVA_HOME}/bin/wsimport">
```

```
<arg line="-keep -p com.iflex.fcubs.integration.oim.ws.client  
http://<hostname>:<port>/FCUBSLOVAdService/FCUBSLOVAdServiceSEI?WSDL"/>
```

</exec>

- Execute the build file,
- Type “ant” on the command-prompt and press enter.

Above step creates a JAR file in /home/kernel/OIM/OIM-Config/Sch-Task/build/ FCUBSLOVSchTask folder with the name **FCUBSLOVSchTask.Jar**

- Copy this FCUBSLOVSchTask.Jar to the <OIM_SERVER_INSTALL_DIR>/server/ ScheduleTask folder and <OIM_SERVER_INSTALL_DIR>/server/apps/oim.ear/APP-INF/lib
- Create folders for Reconciliation

For reconciliation, there should be different folder for staging files (yet to be reconciled) and for processed files (after reconciliation). These folders can be anywhere that OIM should be able to access. If it is other than the OIM server system then that network path should be mapped as network drive.

- Create folder to keep staging file, for example

<OIM_SERVER_INSTALL_DIR>\xellerate\GTC\Recon\Staging

- Create folder to keep processed file, for example

<OIM_SERVER_INSTALL_DIR>\xellerate\GTC\Recon\Archive

- Importing Configuration files:

This step involves import of integration specific configuration files into OIM using OIM provided **Deployment Manager**.

Prerequisite

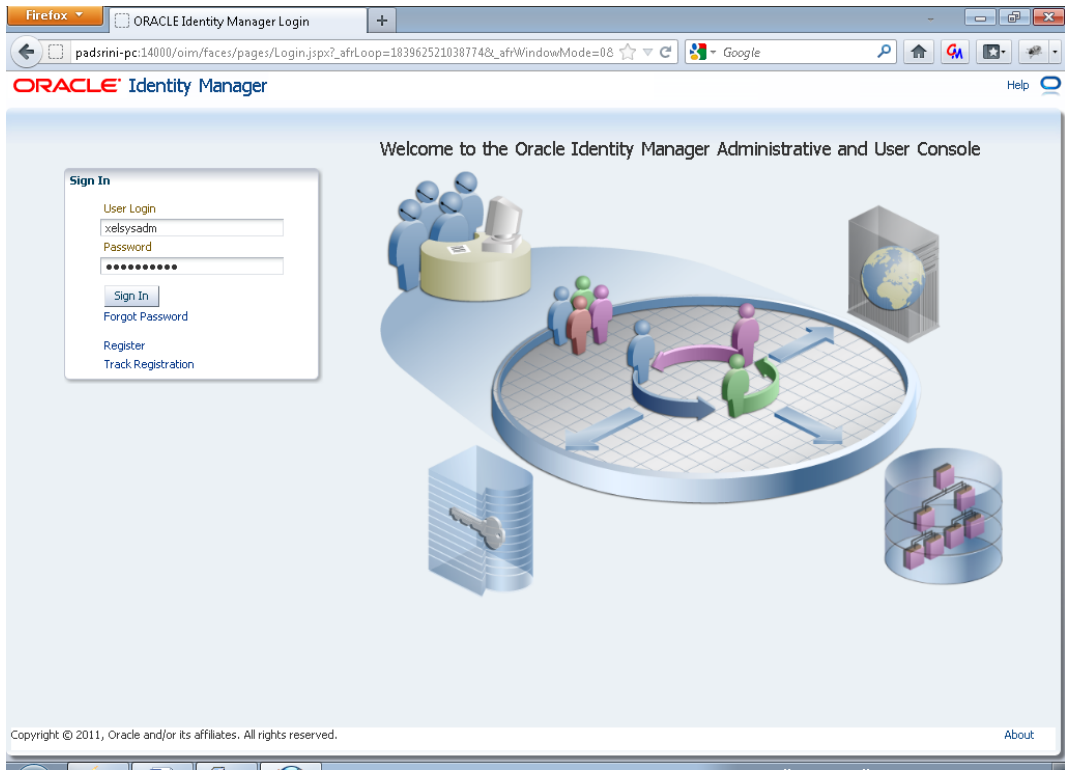
Ensure that OIM setup steps have been followed properly.



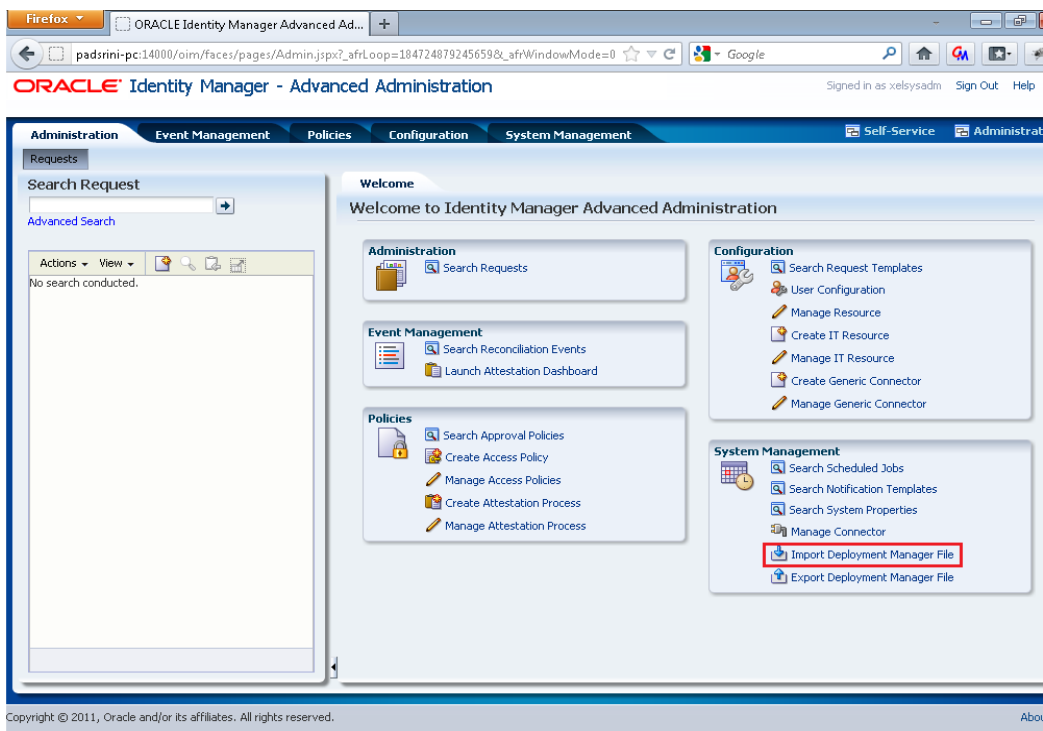
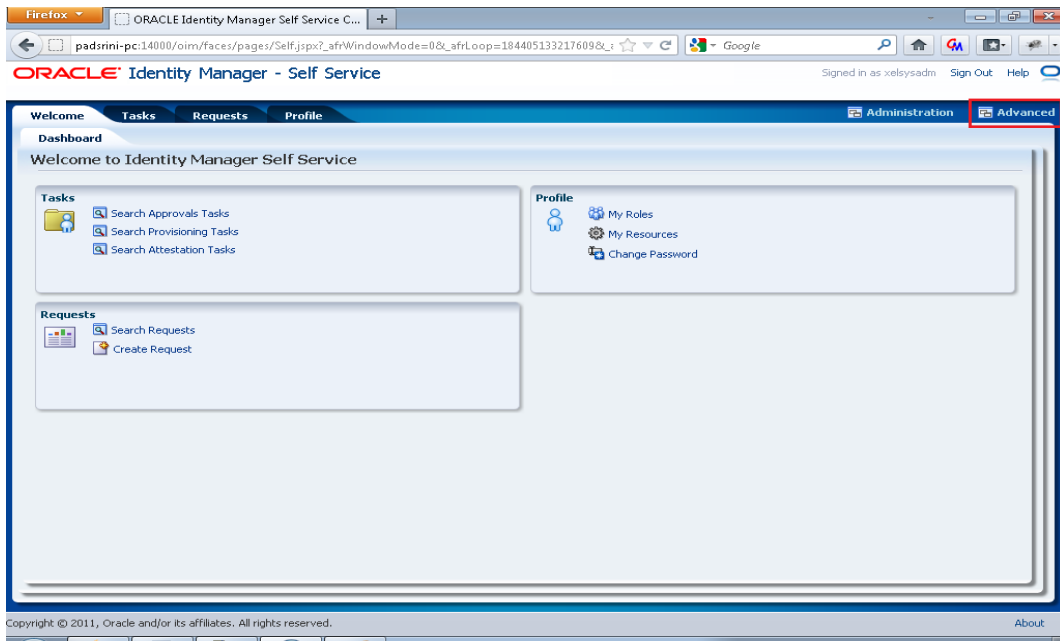
Do the import in the same order as it is described below.

- Open the Oracle Identity Manager Administrative console. (Give the following URL in the browser: <http://hostname/port/oim>)

1. Login to Administrative Console
2. Enter OIM administrator username/password and press **Sign In**.

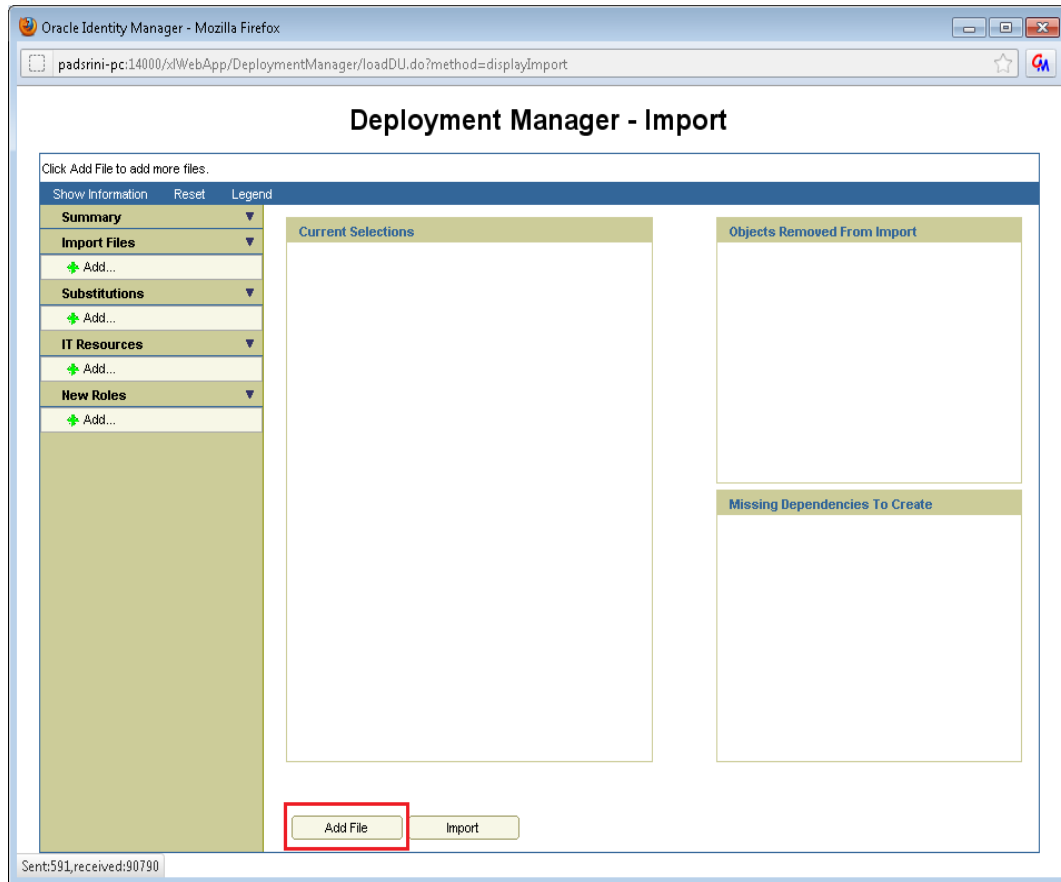


3. Click on the Advanced and Import Deployment Manager File option.



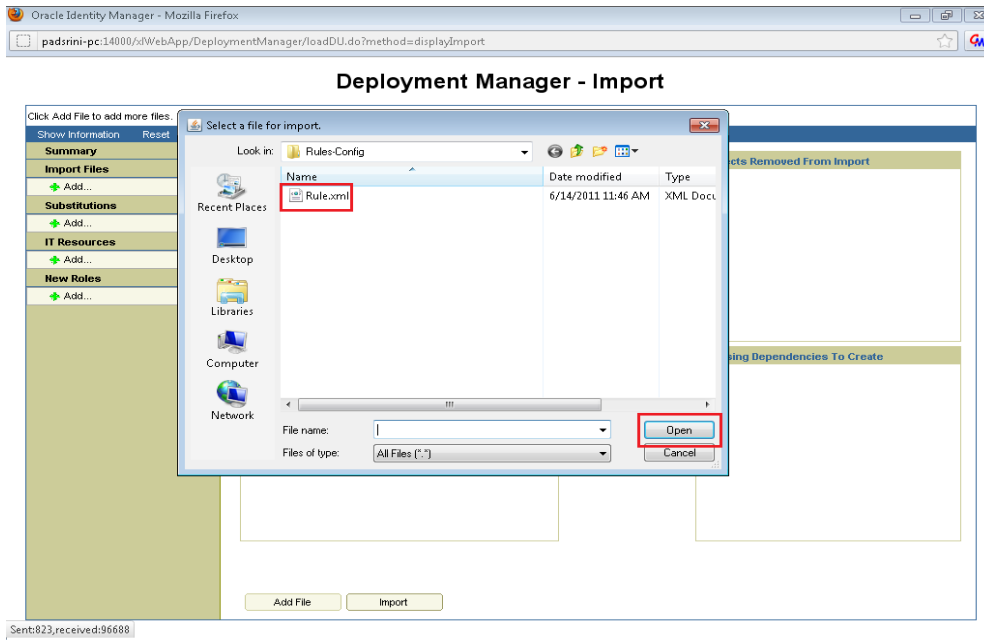
The following screen will get displayed.

4. Click on Add File.



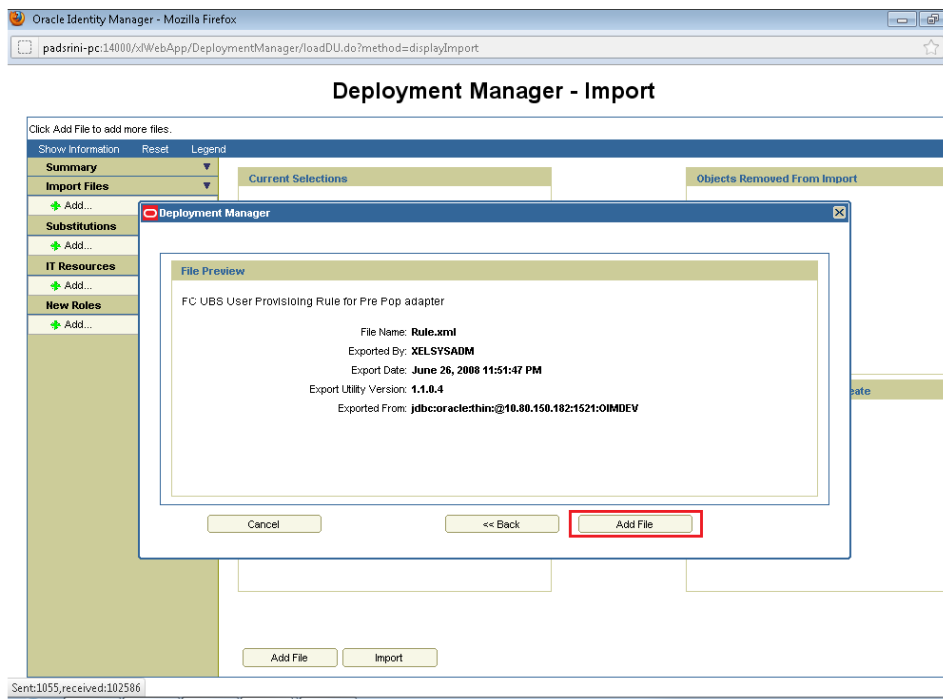
Open file window will appear.

- Select Rule.xml file from the folder < SPMLADAPTER_INSTALL_DIR>\OIM\OIM-Config\ Rules-Config.
- Click on Open.



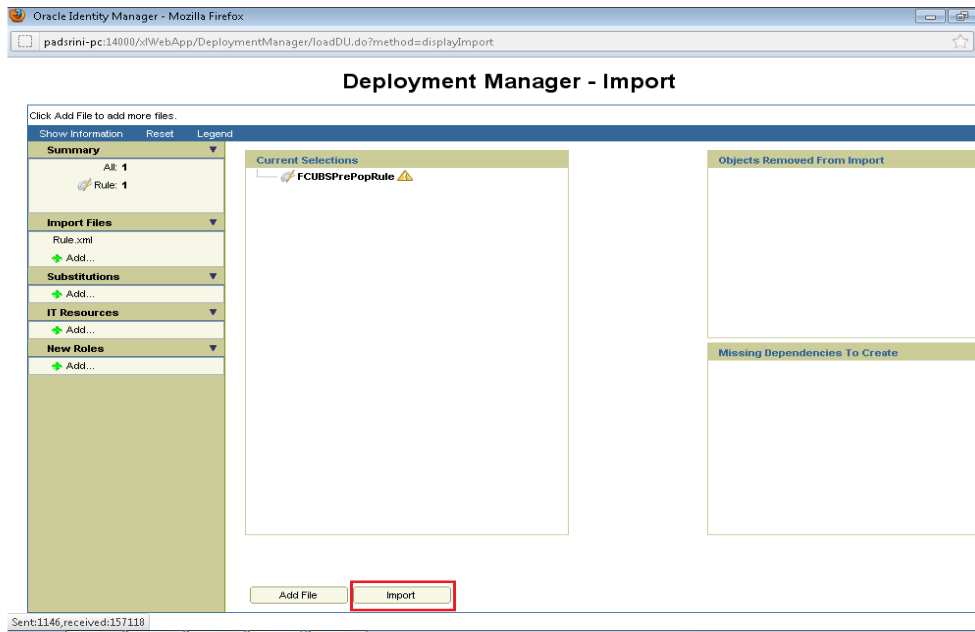
We will get File preview screen

5. Click on Add file.



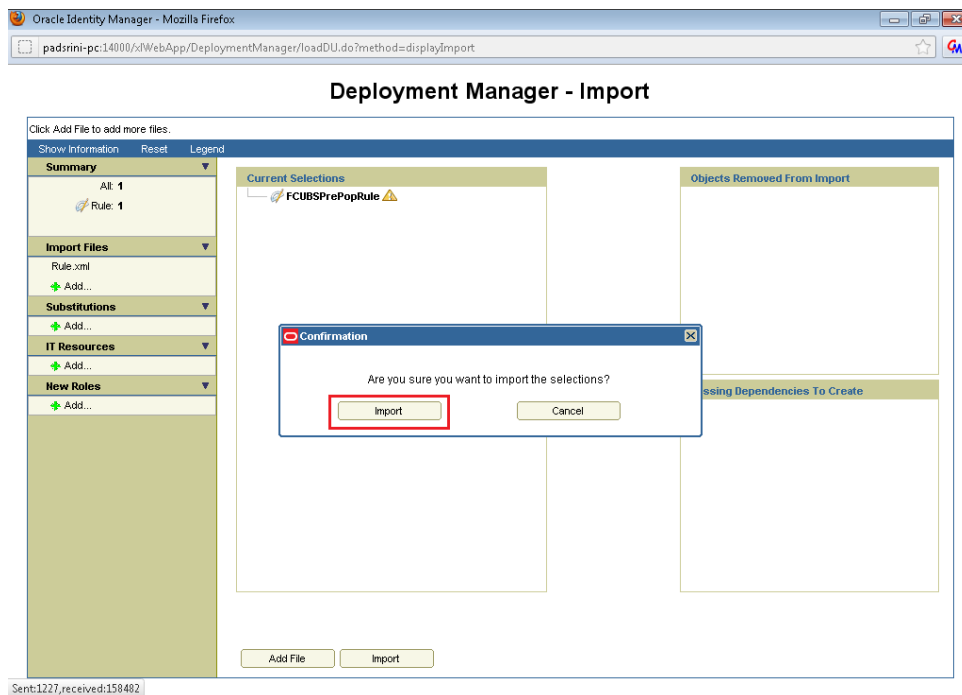
Next screen will be the current selection screen containing **FCUBSPrePopRule**

6. Click on Import.



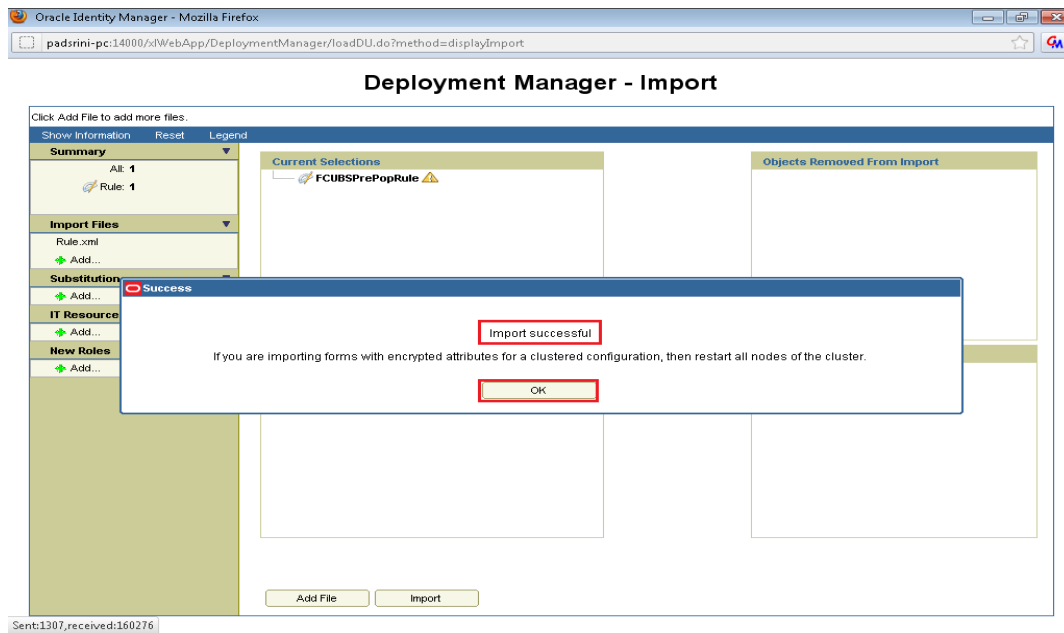
Above will prompt for Import Confirmation

7. Click on Import to start import.



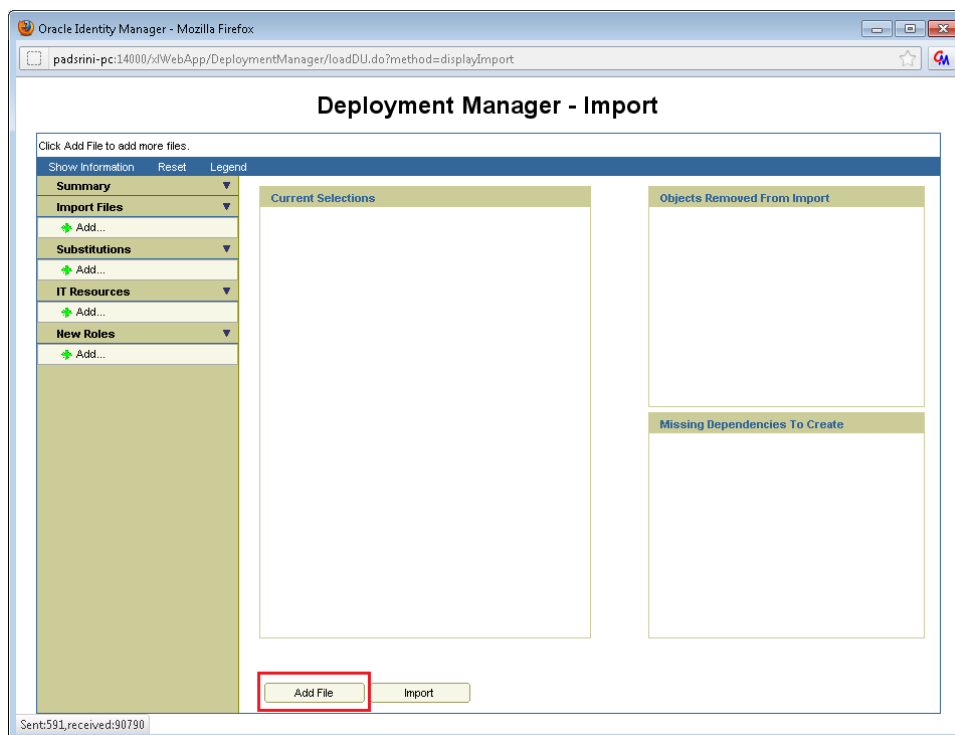
On successful import following screen will come.

8. Ensure that import is successful and click on ok.



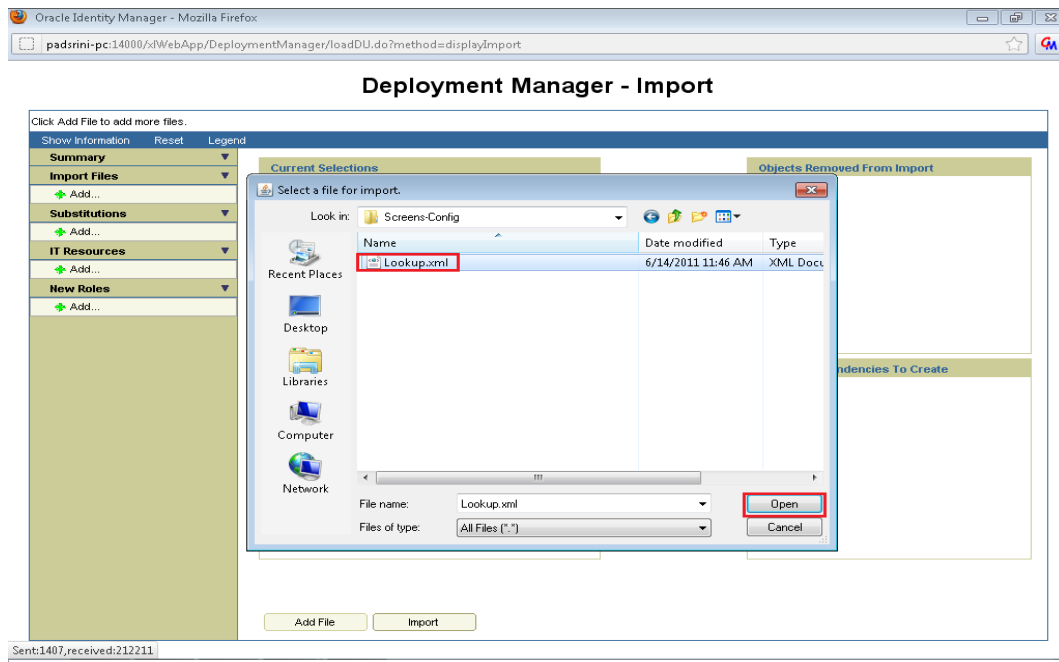
The following screen will get displayed.

9. Click on Add File.



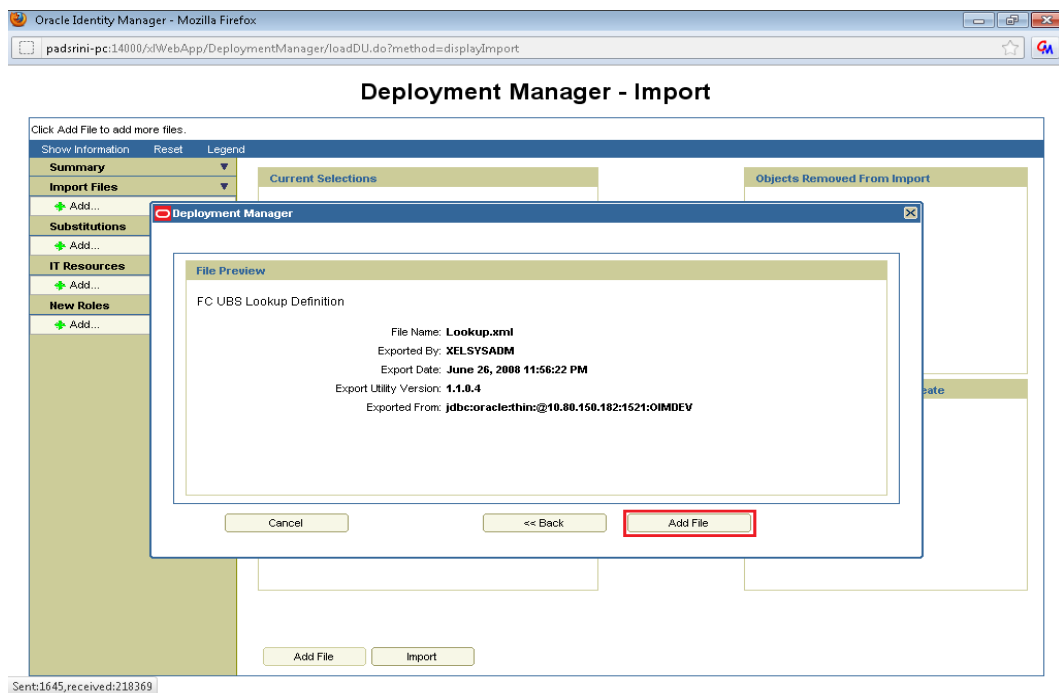
Open file window will appear.

10. Select Lookup.xml file from the folder < SPMLADAPTER_INSTALL_DIR>\OIM\OIM-Config\ Screens-Config.
11. Click on Open.



We will get File preview screen

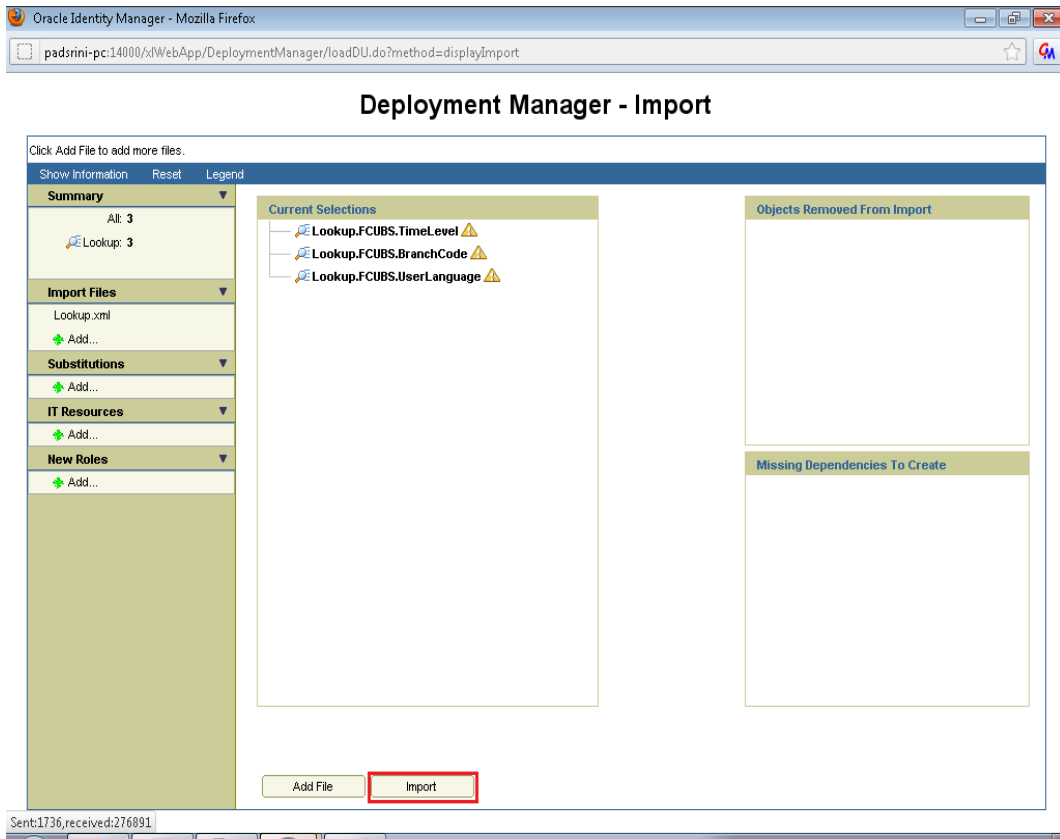
12. Click on Add file.



Next screen will be the current selection screen containing three Lookup field definition named

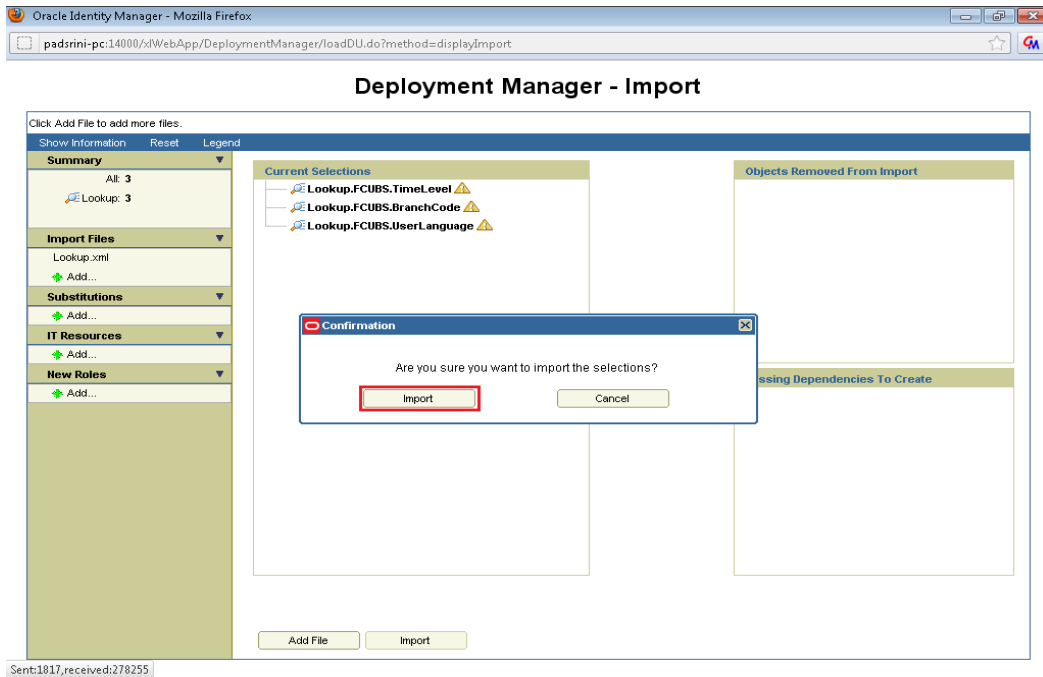
- Lookup.FCUBS.TimeLevel
- Lookup.FCUBS.UserLanguage
- Lookup.FCUBS.BranchCode

13. Click on Import.



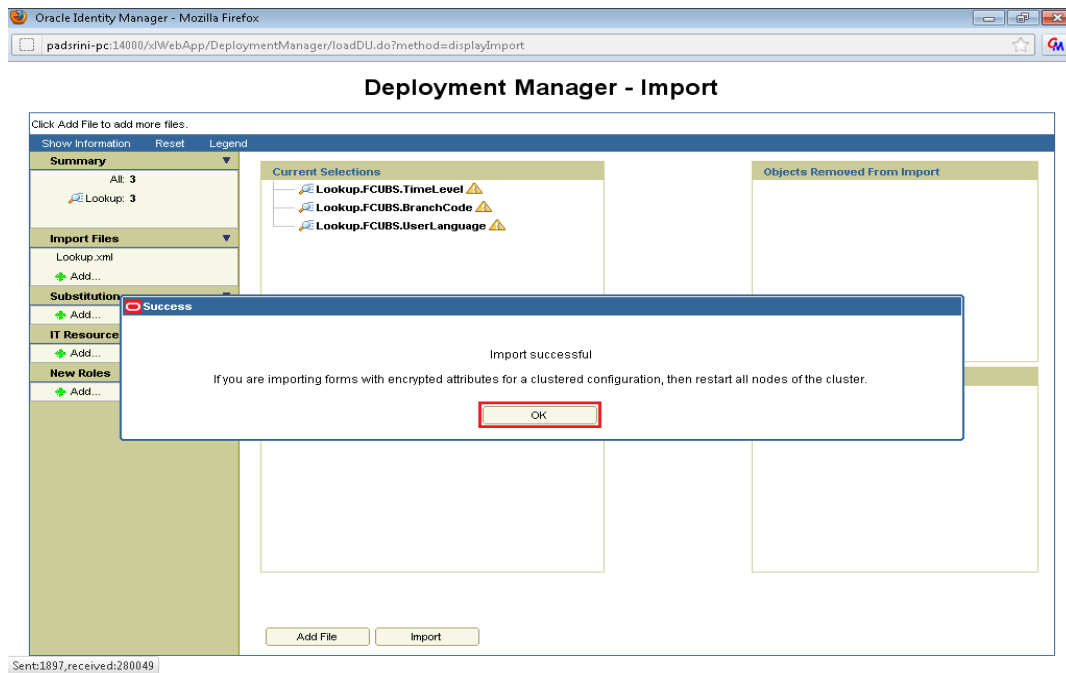
Above will prompt for Import Confirmation

14. Click on Import to start import.



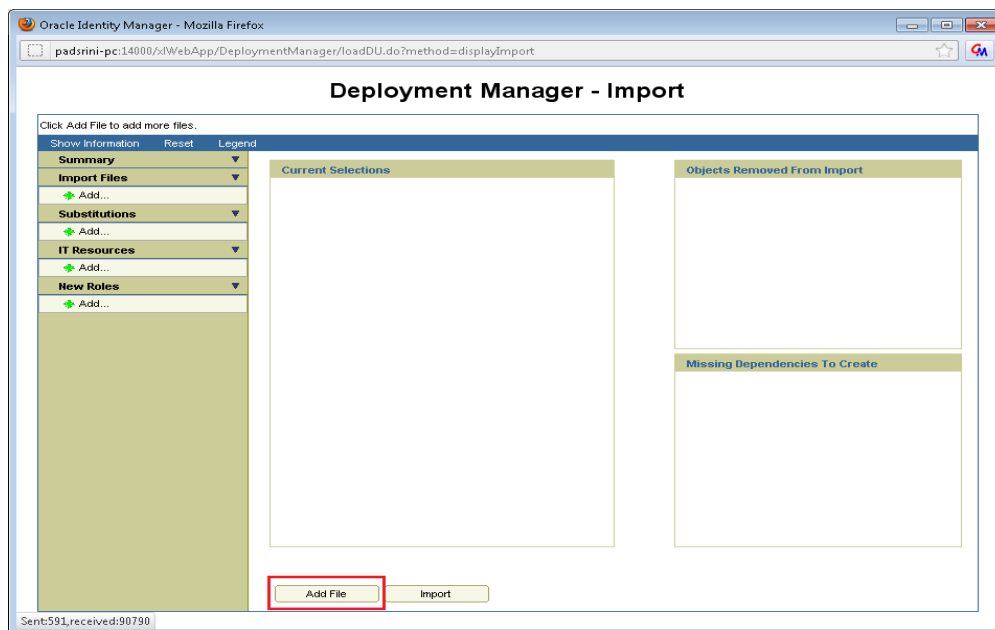
15. On successful import following screen will come.

16. Ensure that import is successful and click on ok.



The following screen will get displayed.

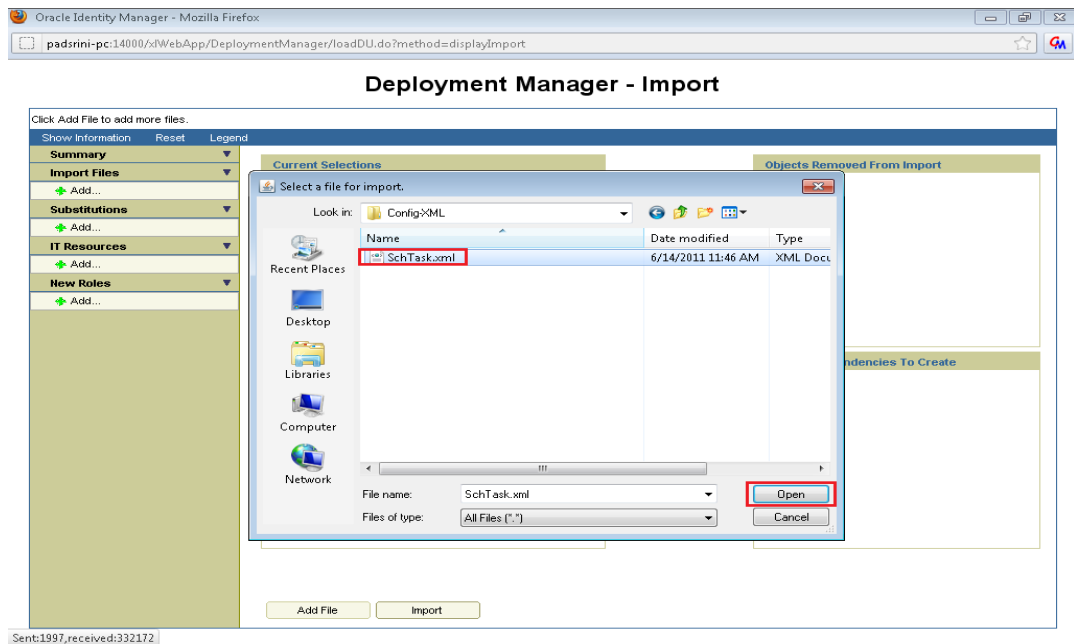
17. Click on Add File.



Open file window will get appeared.

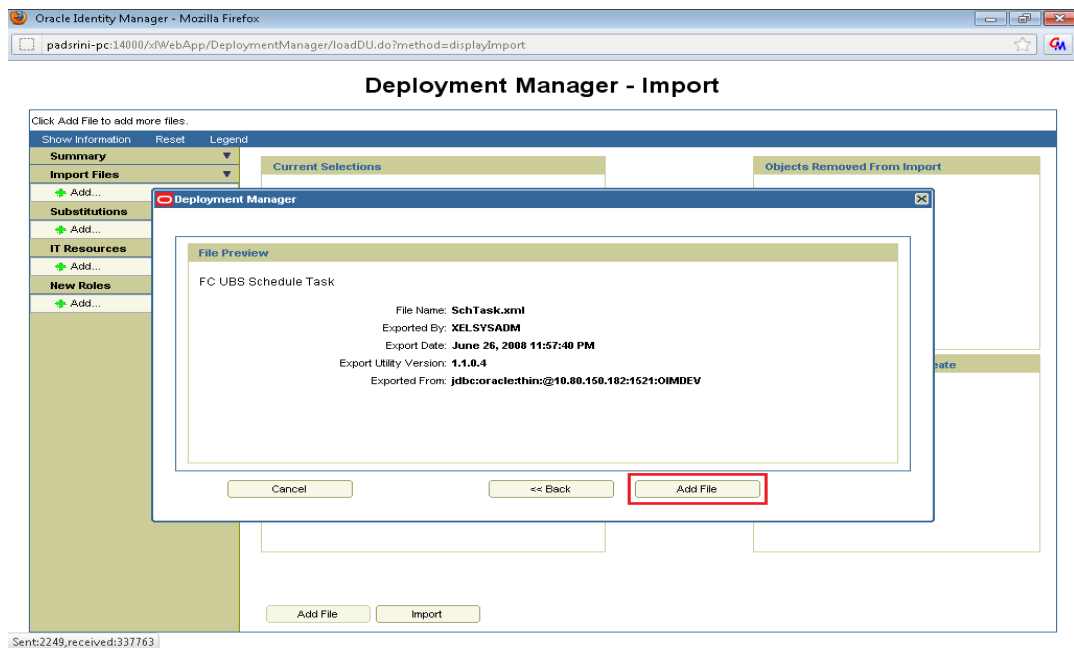
18. Select SchTask.xml file from the folder < SPMLADAPTER_INSTALL_DIR>\OIM\OIM-Config\Sch-Task\Config-XML.

19. Click on Open.



We will get File preview screen

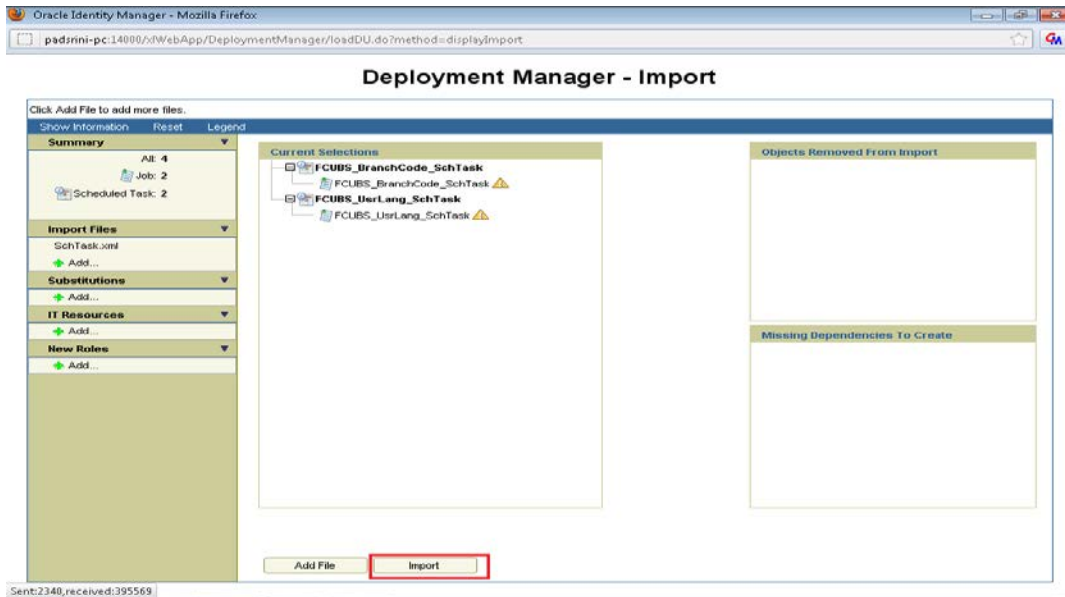
20. Click on Add file.



Next screen will be the current selection screen containing three Lookup field definition named

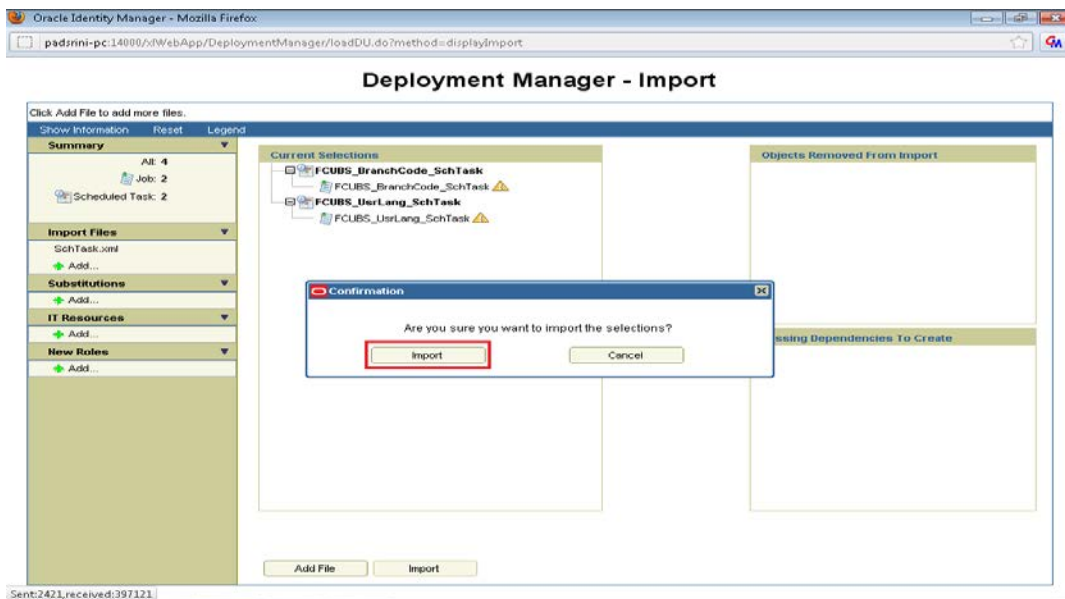
- FCUBS_BranchCode_SchTask
- FCUBS_UsrLang_SchTask

21. Click on Import.

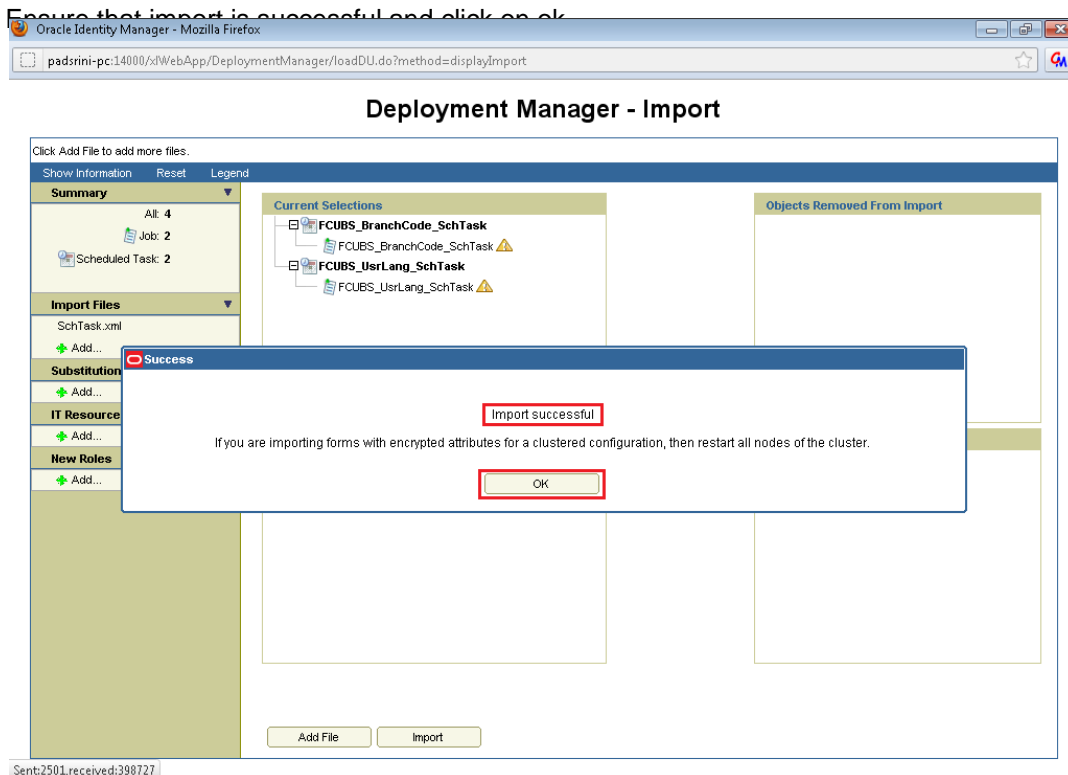


Above will prompt for Import Confirmation

22. Click on Import to start import.

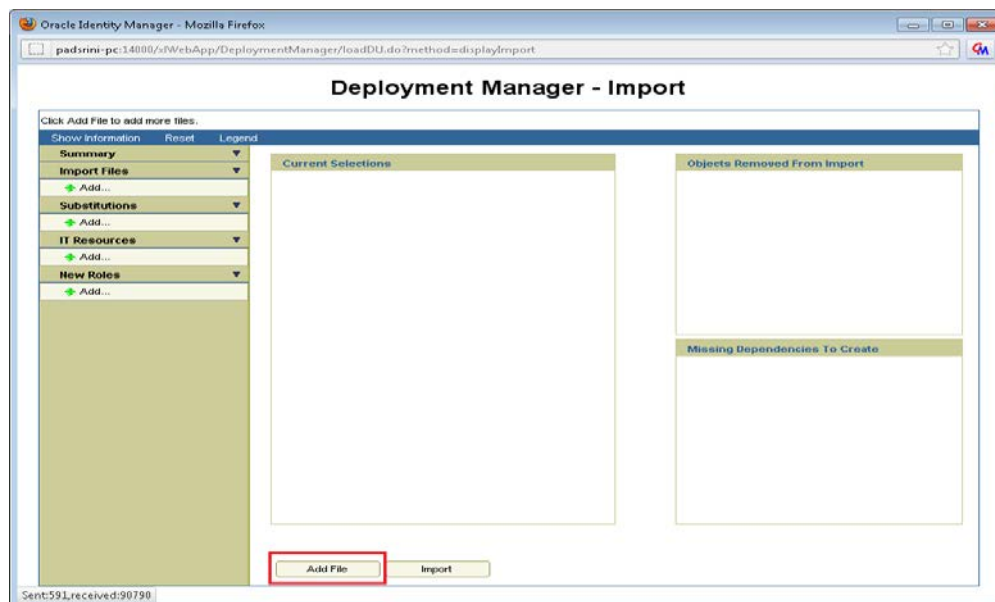


On successful import following screen will come.



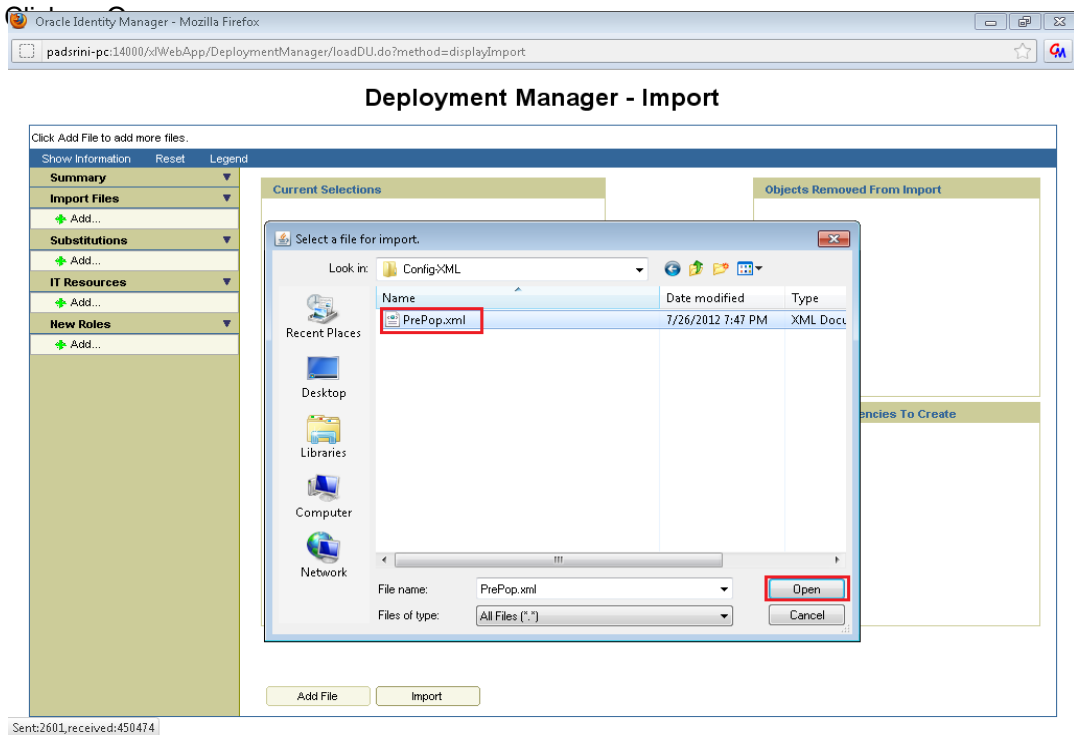
The following screen will get displayed.

23. Click on Add File.



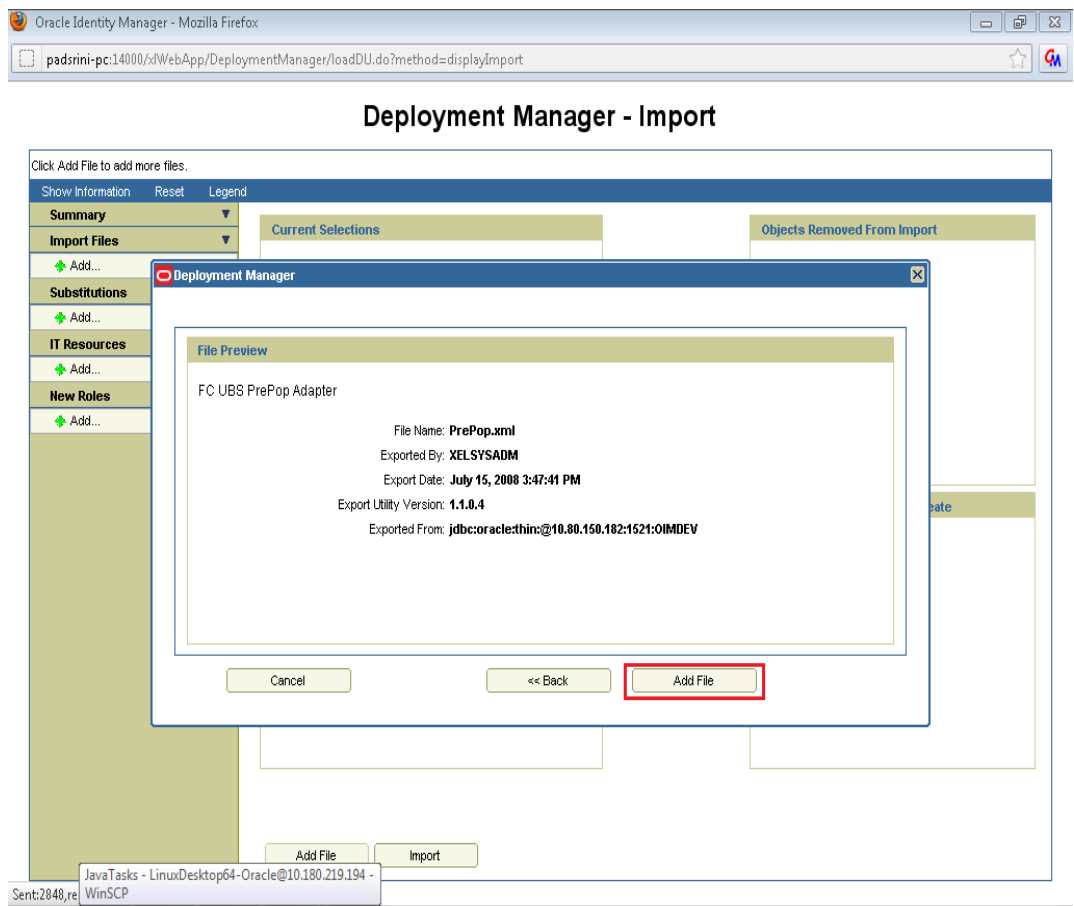
Open file window will get appeared.

24. Select PrePop.xml file from the folder < SPMLADAPTER_INSTALL_DIR>\OIM\OIM-Config\Prepop\Config-XML.



We will get File preview screen

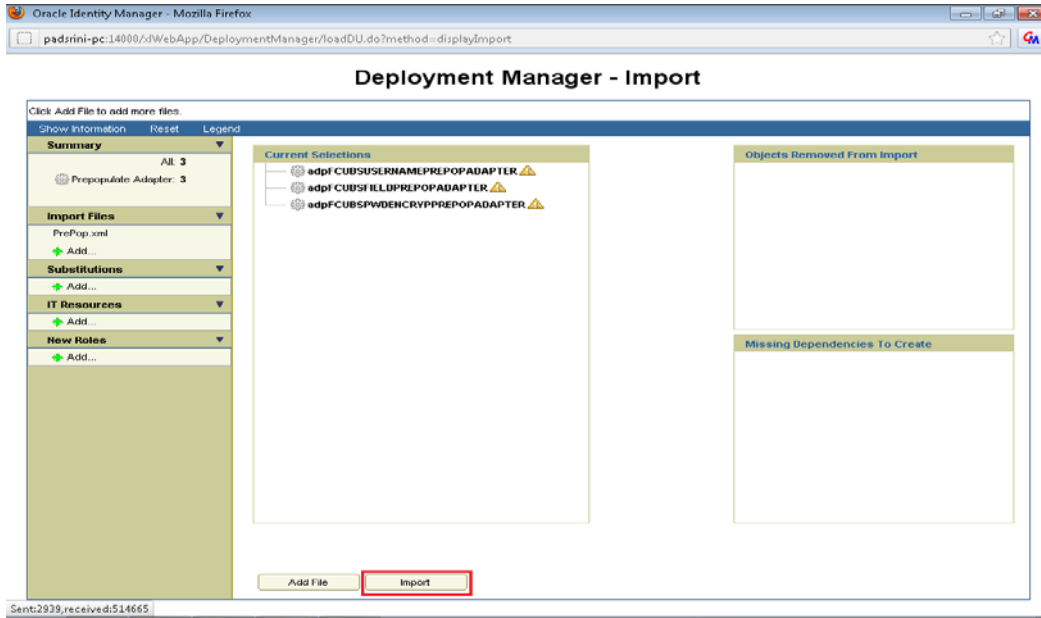
25. Click on Add file.



Next screen will be the current selection screen containing three Pre-populate adapter named

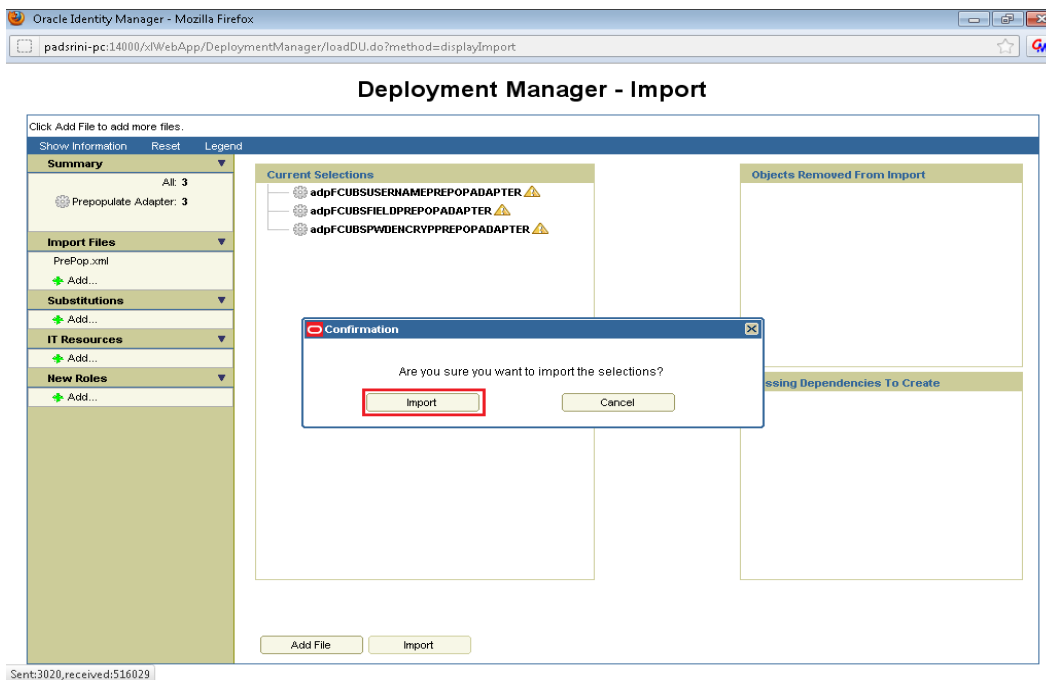
- adpFCUBSUSERNAMEPREPOPADAPTER
- adpFCUBSFIELDPREPOPADAPTER
- adpFCUBSPWDENCRYPREPOPADAPTER

26. Click on Import.



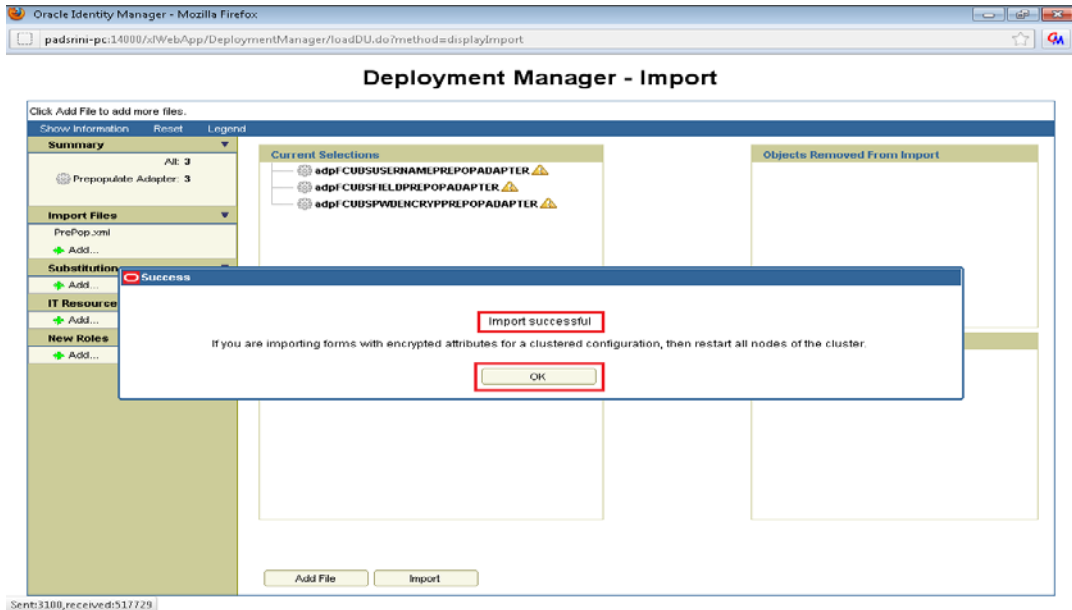
Above will prompt for Import Confirmation

27. Click on Import to start import.



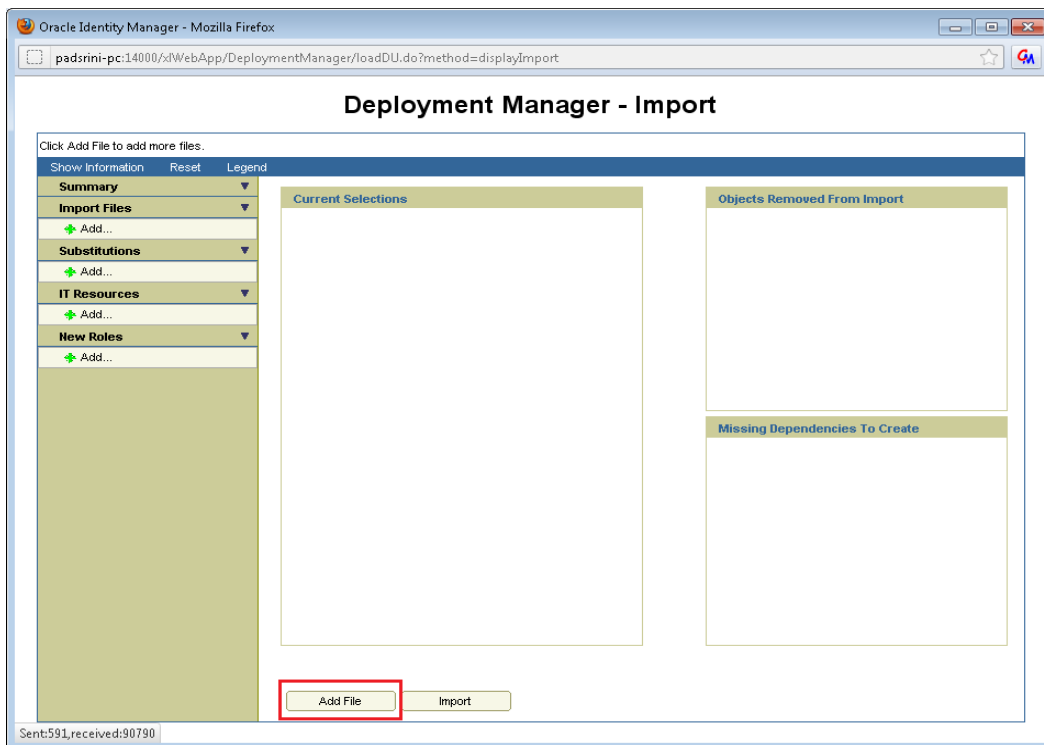
On successful import following screen will come.

28. Ensure that import is successful and click on ok.



The following screen will get displayed.

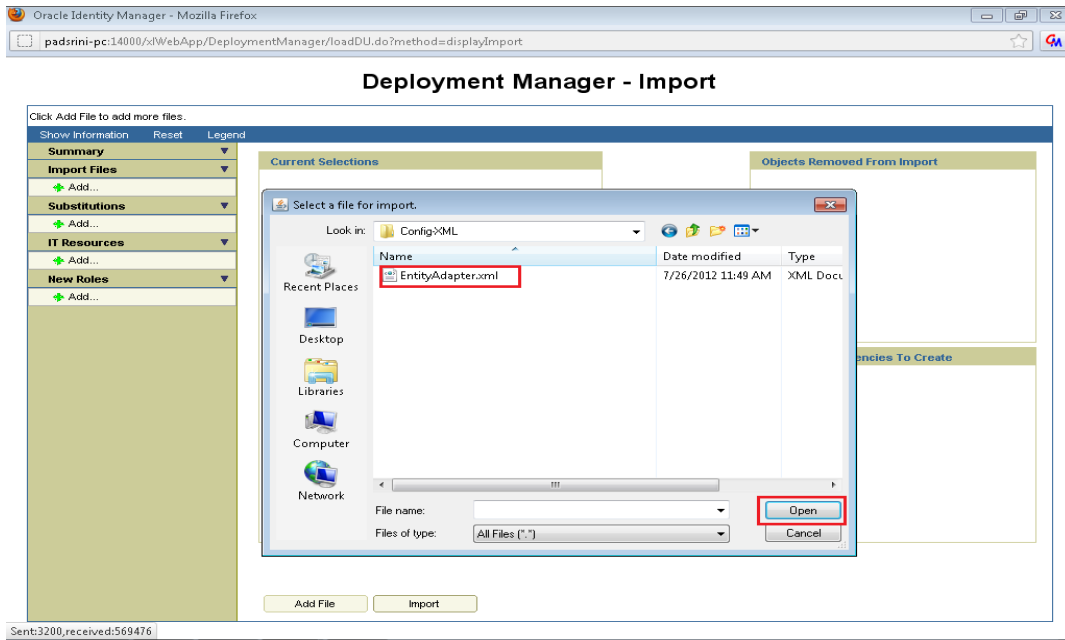
29. Click on Add File.



Open file window will get appeared.

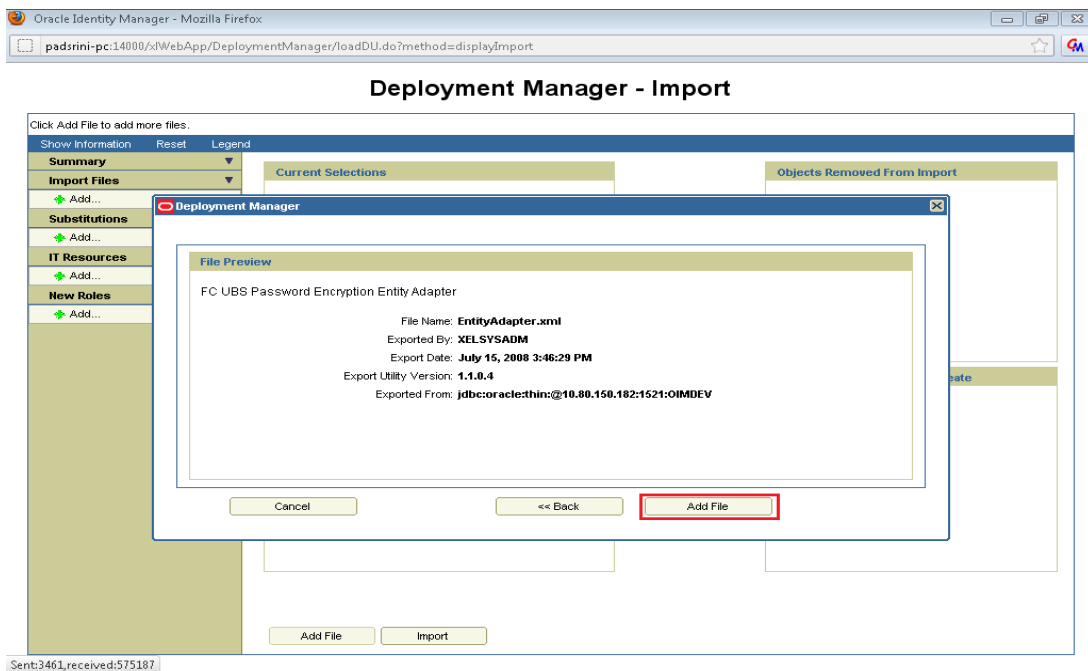
30. Select EntityAdapter.xml file from the folder < SPMLADAPTER_INSTALL_DIR>\OIM\OIM-Config\Entity\Config-XML.

31. Click on Open.



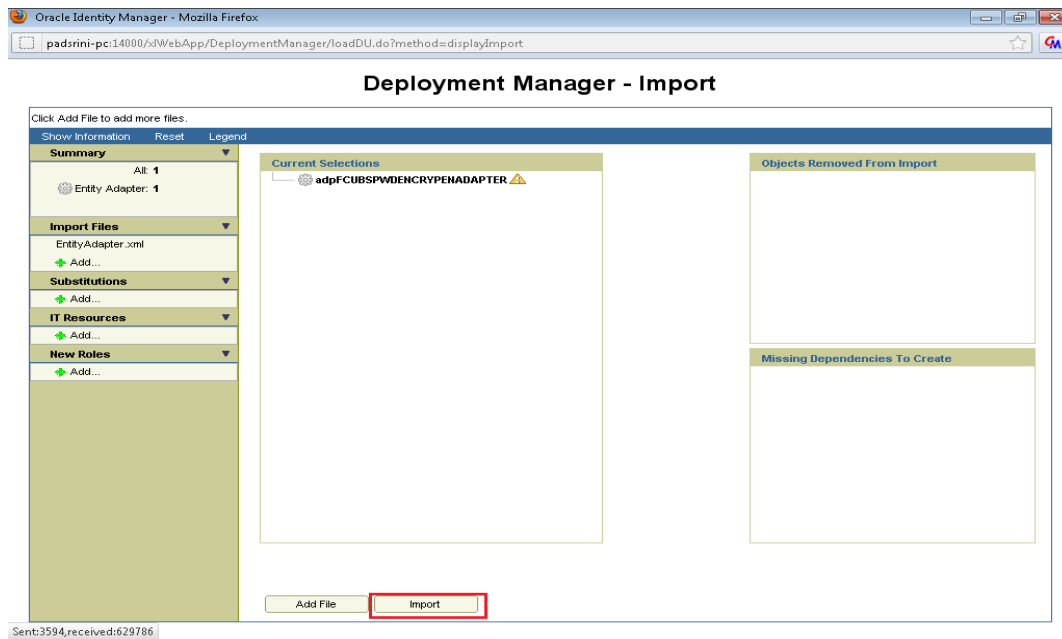
We will get File preview screen

32. Click on Add file.



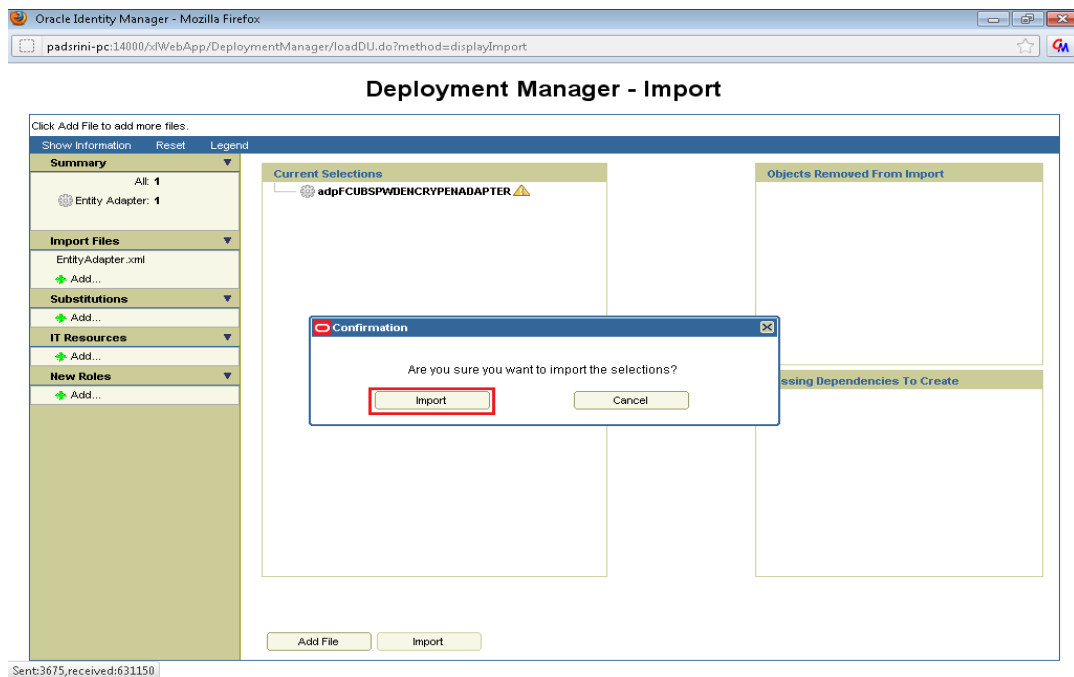
Next screen will be the current selection screen containing three Pre-populate adapter named adpFCUBSPWDENCRYPENADAPTER

33. Click on Import.



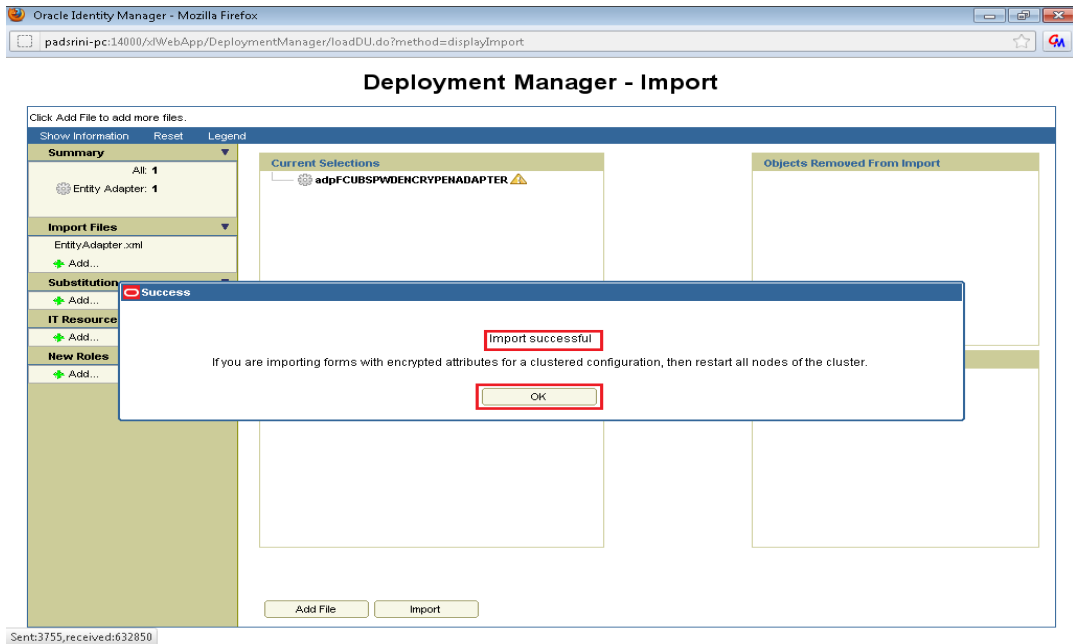
Above will prompt for Import Confirmation

34. Click on Import to start import.



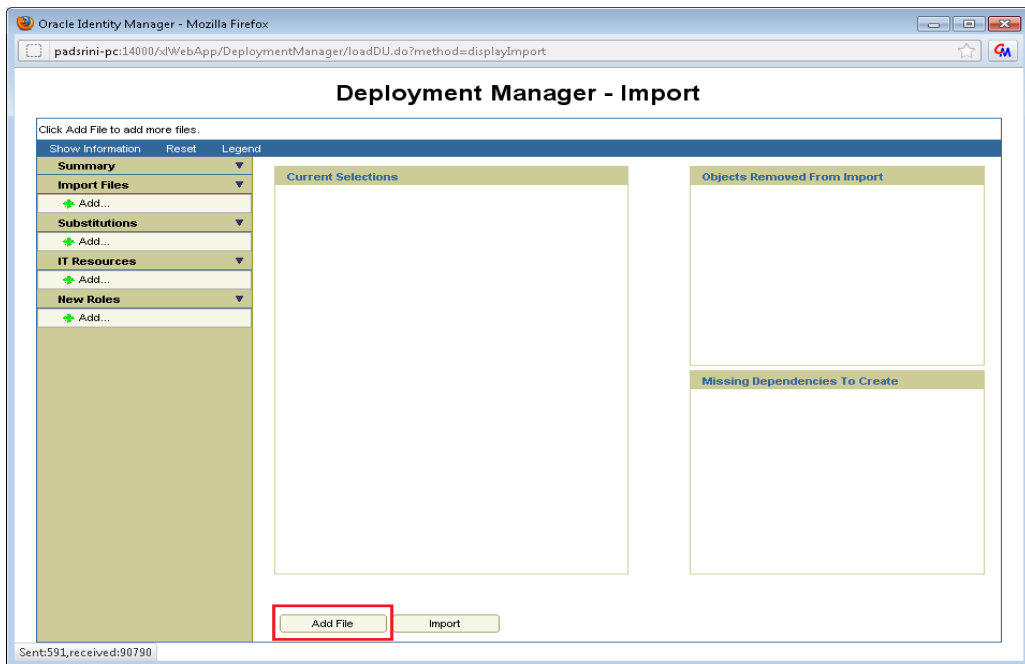
On successful import following screen will come.

35. Ensure that import is successful and click on ok.

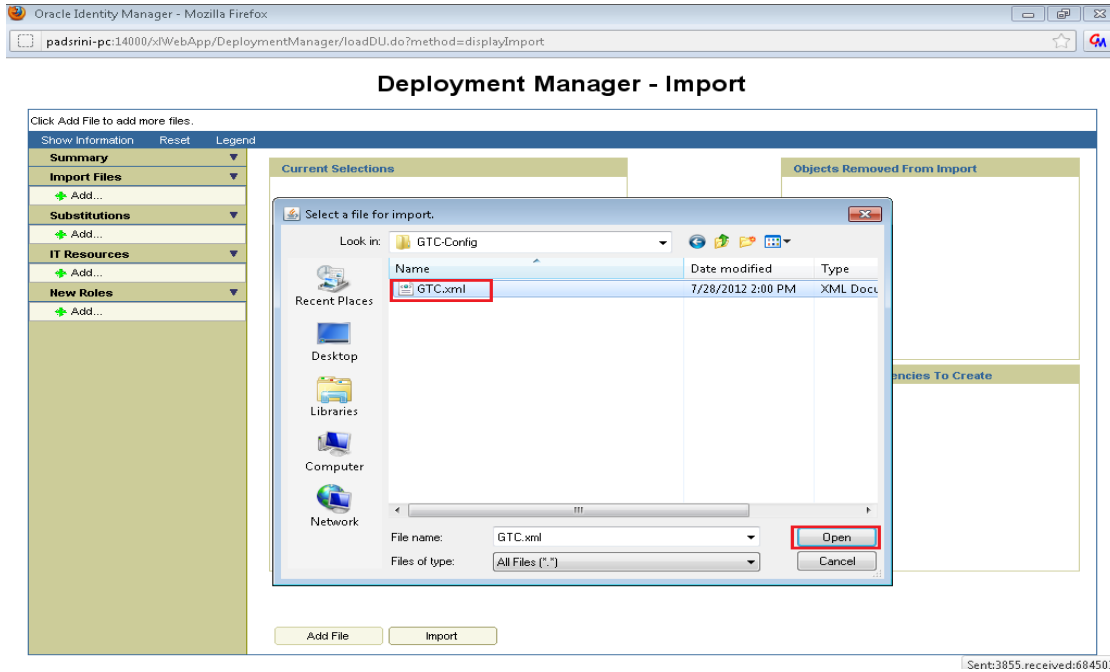


The following screen will get displayed.

36. Click on Add File.



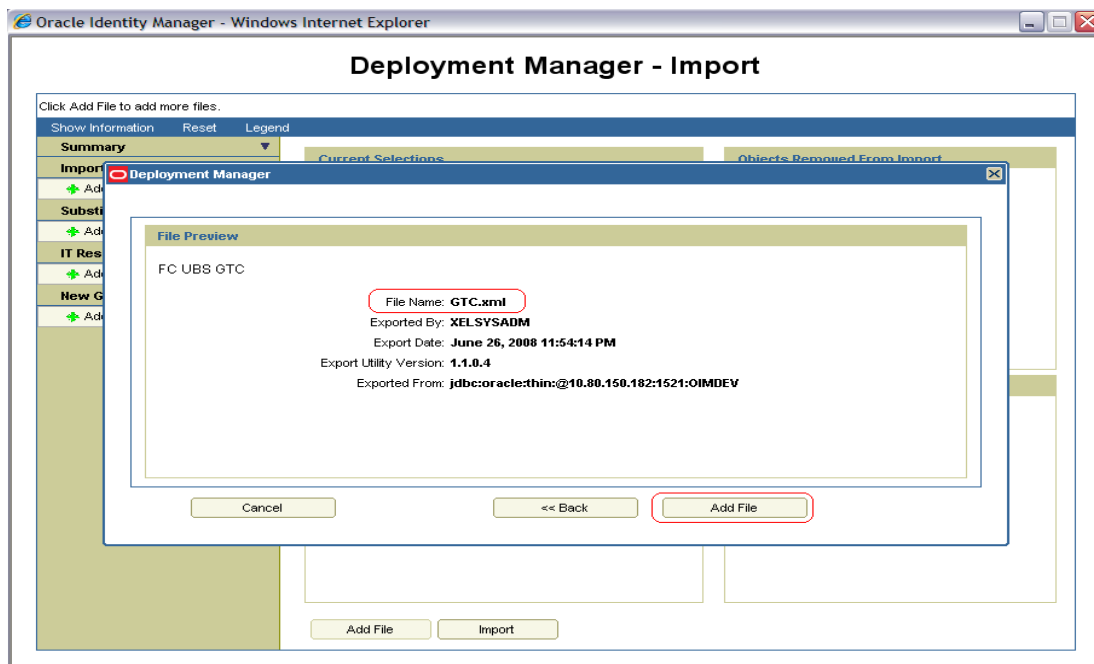
- i. Open file window will get appeared.
 - ✓ Select **GTC.xml** file from the folder < **SPMLADAPTER_INSTALL_DIR>\OIM\OIM-Config\GTC\Config-XML.**
 - ✓ Click on Open.



Sent3855.received:684503

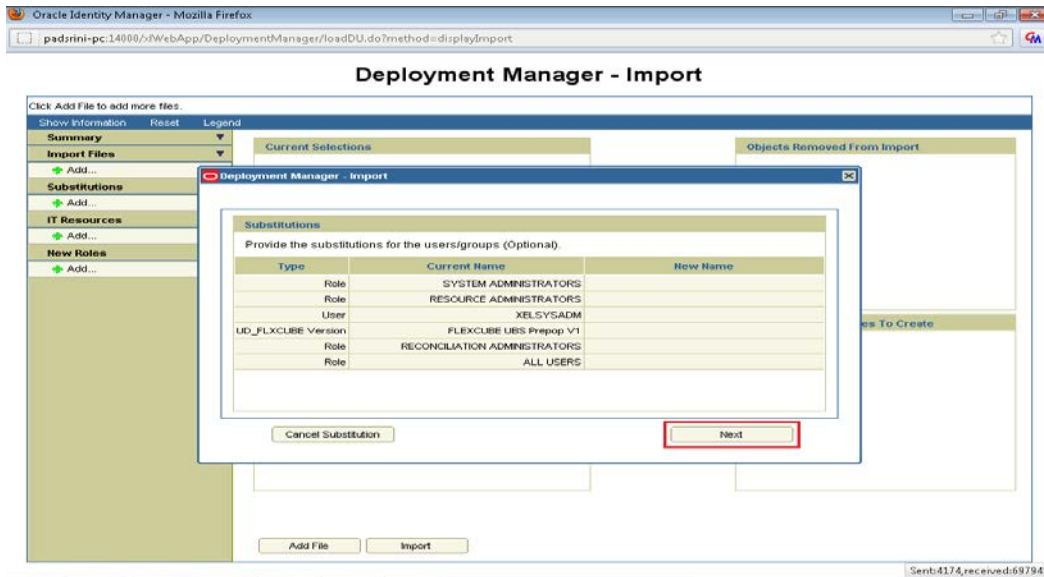
We will get File preview screen

37. Click on Add file.



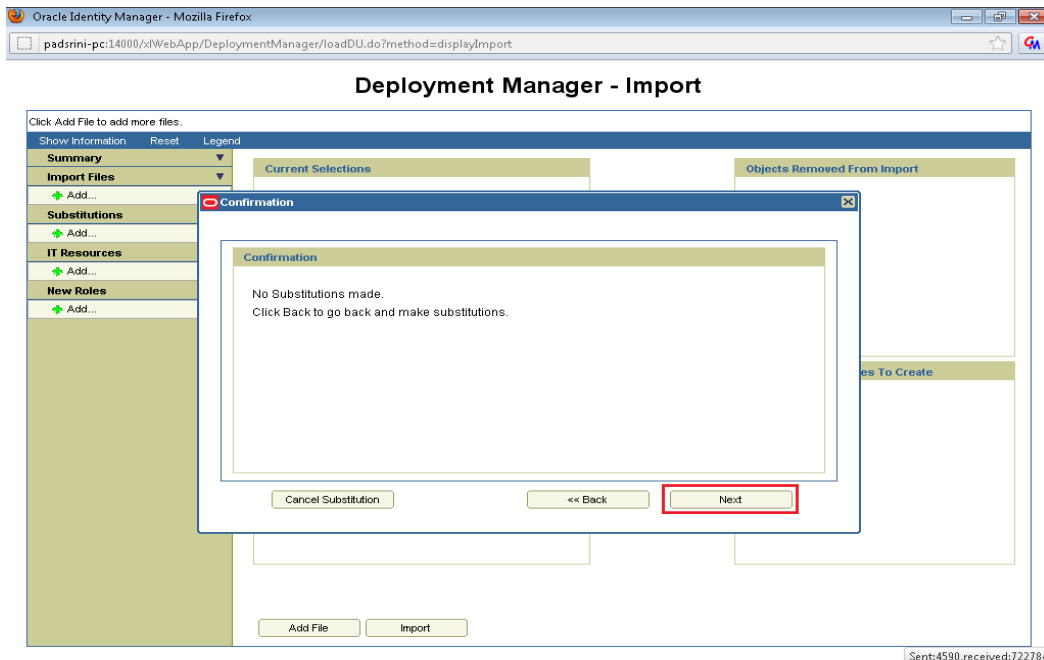
Next screen will be the substitution screen.

38. If the GTC is imported first time then click on Next.
39. If GTC have been already imported once successfully, change the Version name for example UD_FLXCUBE Version = FLEXCUBE UBS Prepop V2. Then click on Next.



Above will prompt for substitution Confirmation

40. If any value has been changed on previous screen it will list those substitution otherwise below screen will get displayed. Click on Next.



Next, Provide IT resource instance data screen will get displayed.

41. Ensure that the green arrow should point to FLEXCUBE_UBS_GTC.
42. Provide followings to the right hand table:

Parameter Name	Parameter Value
SPML_targetID	FLEXCUBE
SharedDrive_filePrefix	SMOIMHOFF
SharedDrive_stageDirParent	Full path of the staging folder created in step 4 of OIM setup Eg: /home/Oracle/Oracle/Middleware/FCUBS-OIM-Config/Staging
Webservices_webServiceURL	Provisioning web service FCUBSProvisioningAdService URL deployed in step .Typically it should be like http://<hostName>:<port>/FCUBSProvisioningAdService/FCUBSProvisioningAdServiceSEI Eg: http://padsrini-pc:6001/FCUBSProvisioningAdService/FCUBSProvisioningAdServiceSEI
SharedDrive_archiveDir	Full path of the archiving folder created in step 4 of OIM setup Eg: /home/Oracle/Oracle/Middleware/FCUBS-OIM-Config/Archive
SharedDrive_delimiter	, [Comma]

Oracle Identity Manager - Mozilla Firefox
padsrini-pc:14000/x/WebApp/DeploymentManager/loadDU.do?method=displayImport

Deployment Manager - Import

Click Add File to add more files.

Show Information Reset Legend

Summary

Import Files Current Selections Objects Removed From Import

Substitutions

IT Resources

New Roles

Deployment Manager

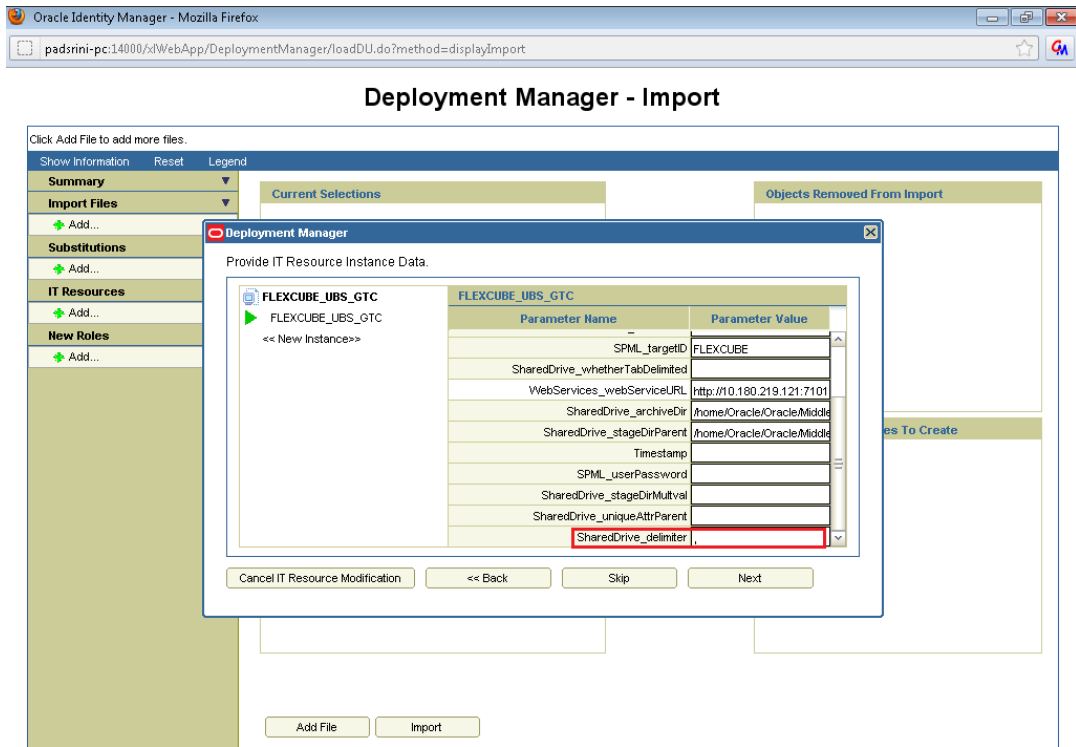
Provide IT Resource Instance Data.

Parameter Name	Parameter Value
Connector Name	FLEXCUBE_UBS_GTC
SharedDrive_filePrefix	SMOIMHOFF
SPML_userName	
SharedDrive_fixedWidth	
SPML_targetID	FLEXCUBE
SharedDrive_whetherTabDelimited	
WebServices_webServiceURL	http://10.180.219.121:710
SharedDrive_archiveDir	/home/Oracle/Oracle/Middl...
SharedDrive_stageDirParent	/home/Oracle/Oracle/Middl...
Timestamp	

Cancel IT Resource Modification << Back Skip Next

Add File Import

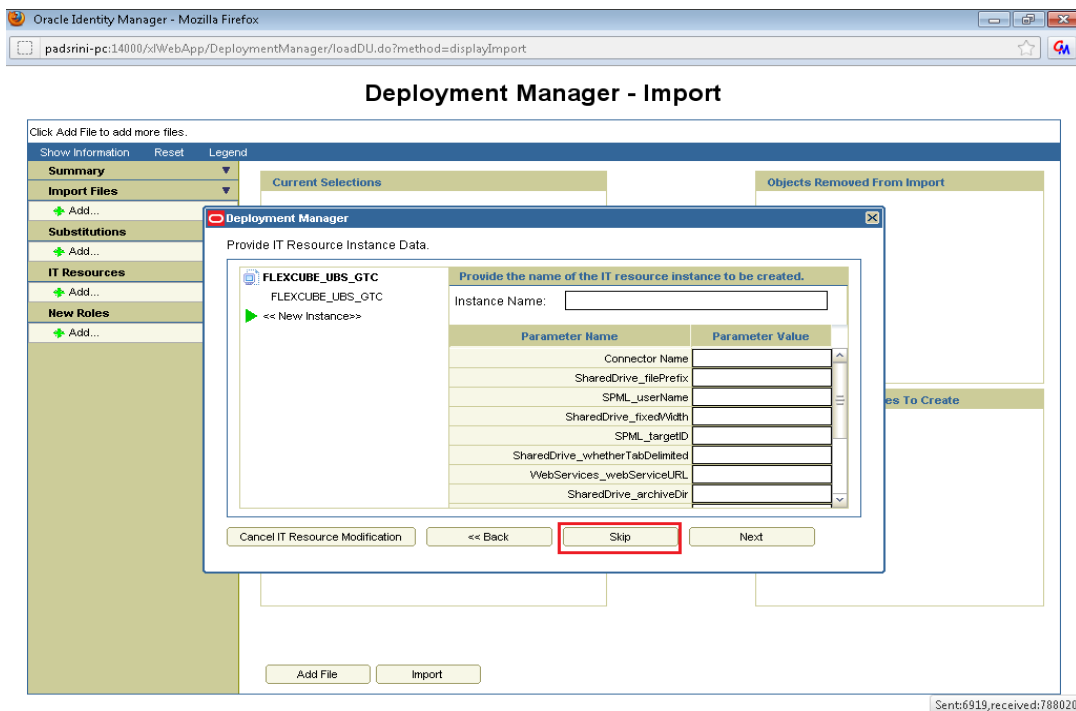
Sent:5009,received:761508



43. Click on Next.

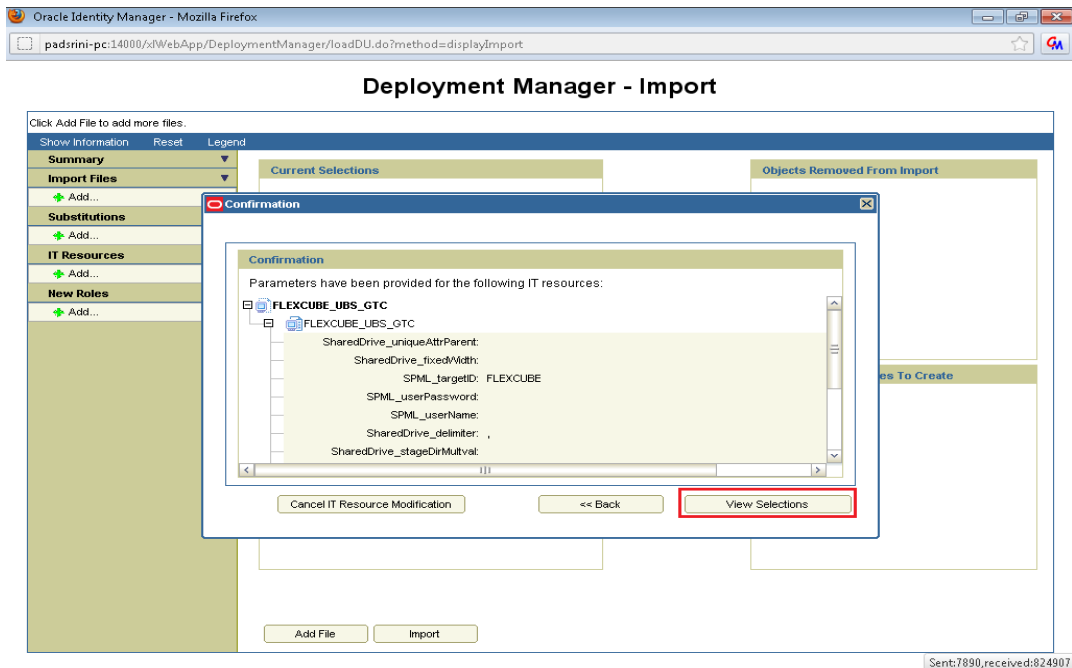
The following screen will get displayed.

44. Click on Skip.



A confirmation window for parameter values will get displayed.

45. Confirm the values and click on View Selections.



We will get Selection screen that will show all components of GTC.

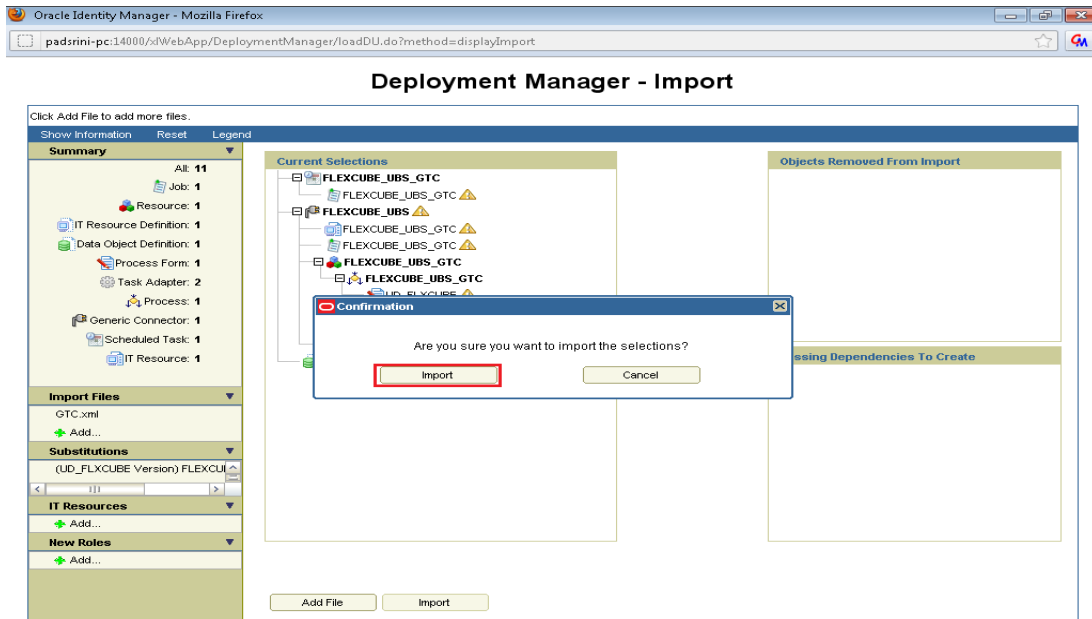
46. Make sure that there should be no items in Missing Dependencies to create box on right below of the screen. If so, probably some previous imports has been missed out or not imported successfully. Repeat the earlier imports again.

47. Otherwise click on Import.



Above will prompt for Import Confirmation

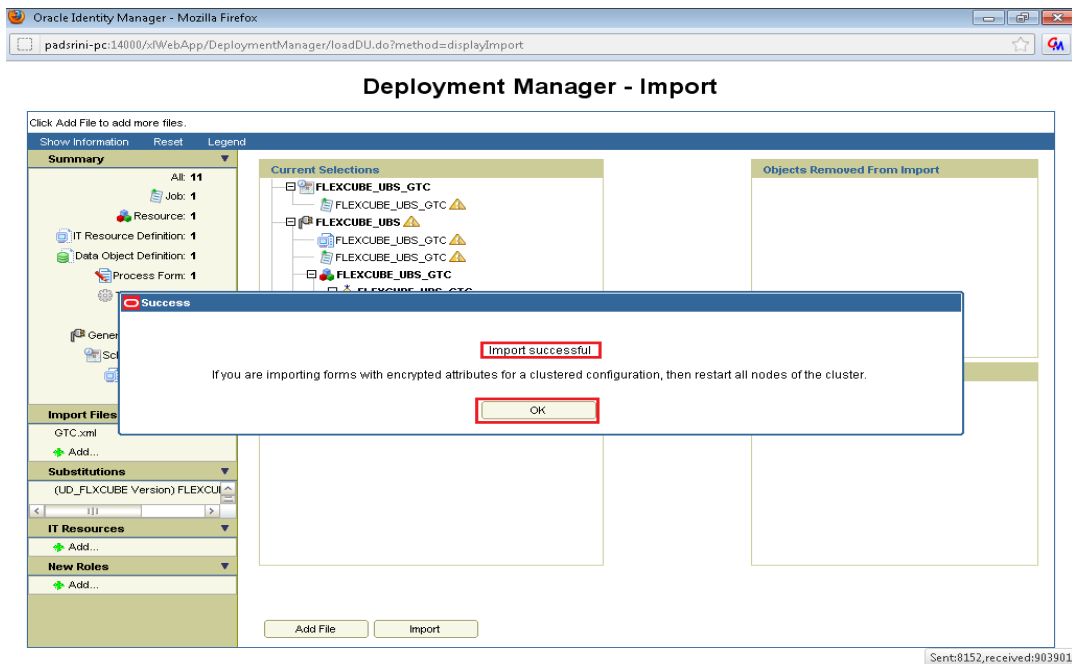
48. Click on Import to start import.



STOP Import of GTC.xml may take more time as compare to other imports.

On successful import following screen will come.

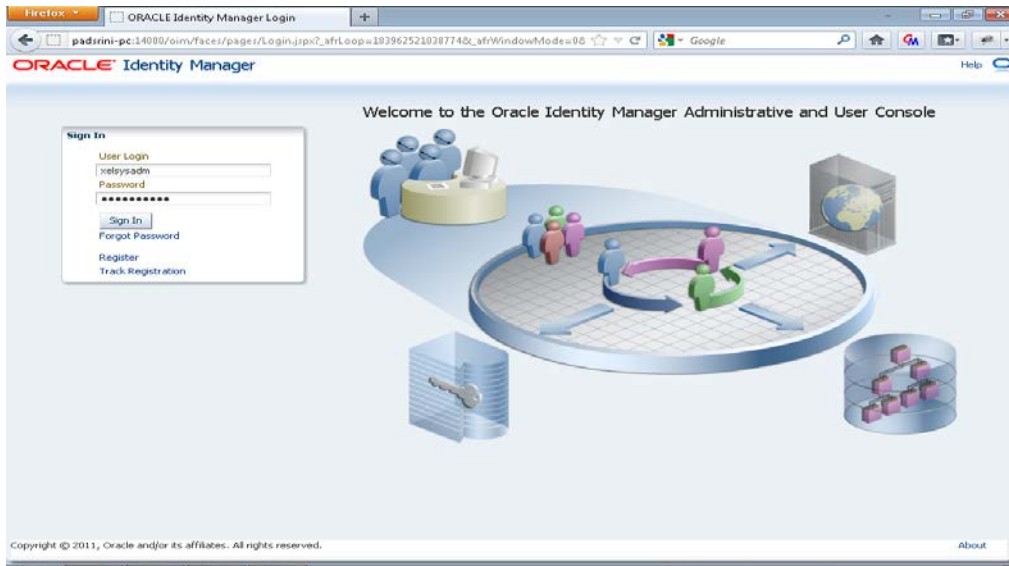
49. Ensure that import is successful and click on ok.



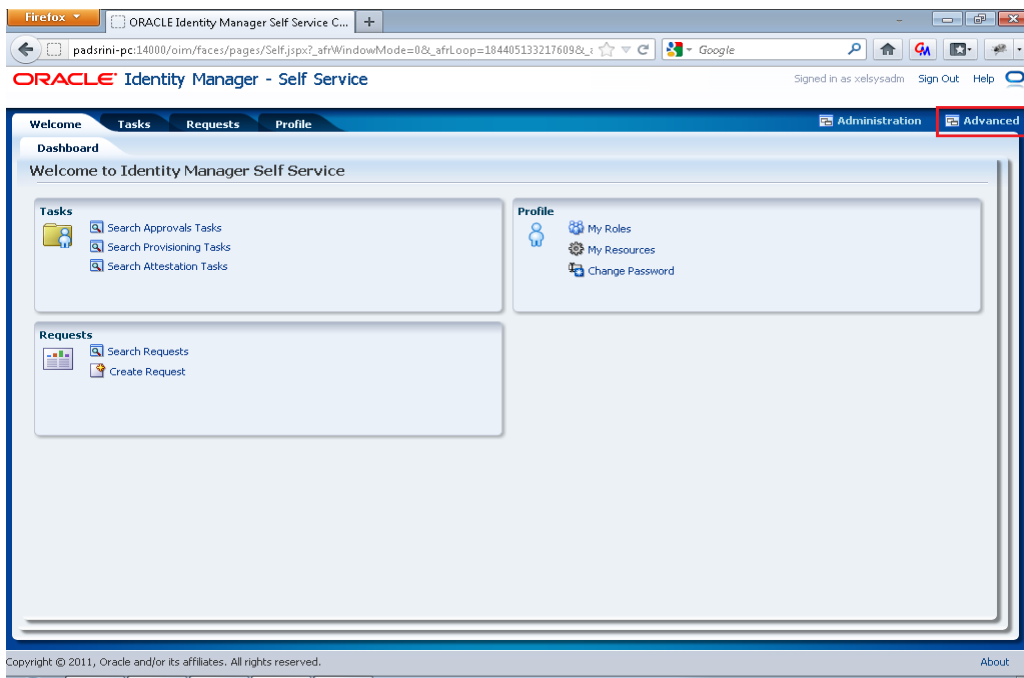
Schedule Task Setup

This step involves setting up Schedule task parameters.

1. Open the Oracle Identity Manager Administrative console. (Give the following URL in the browser: <http://hostName:port:/oim>)
2. Enter OIM administrator username/password and press **Login**.

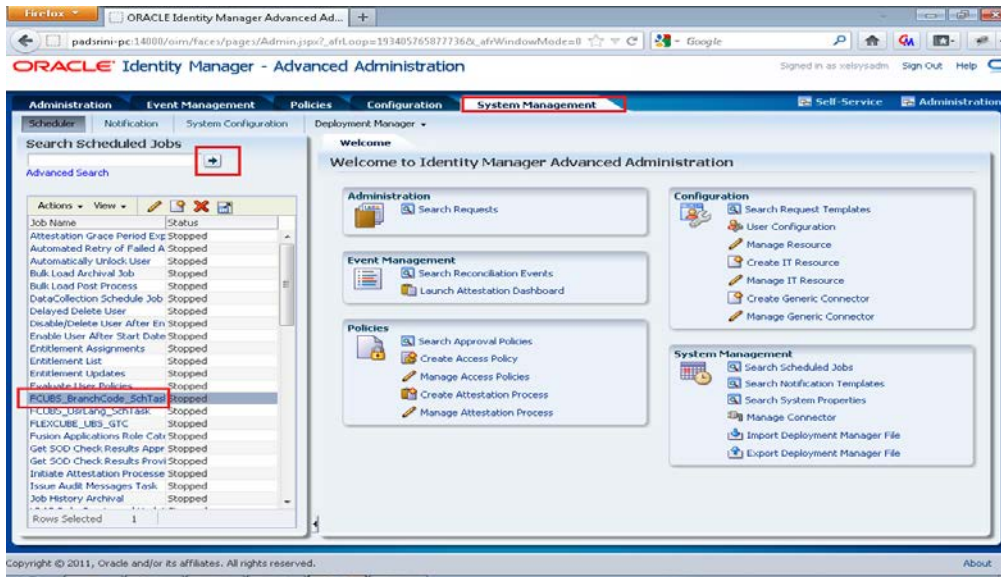


3. Navigate to the “Advanced” option.



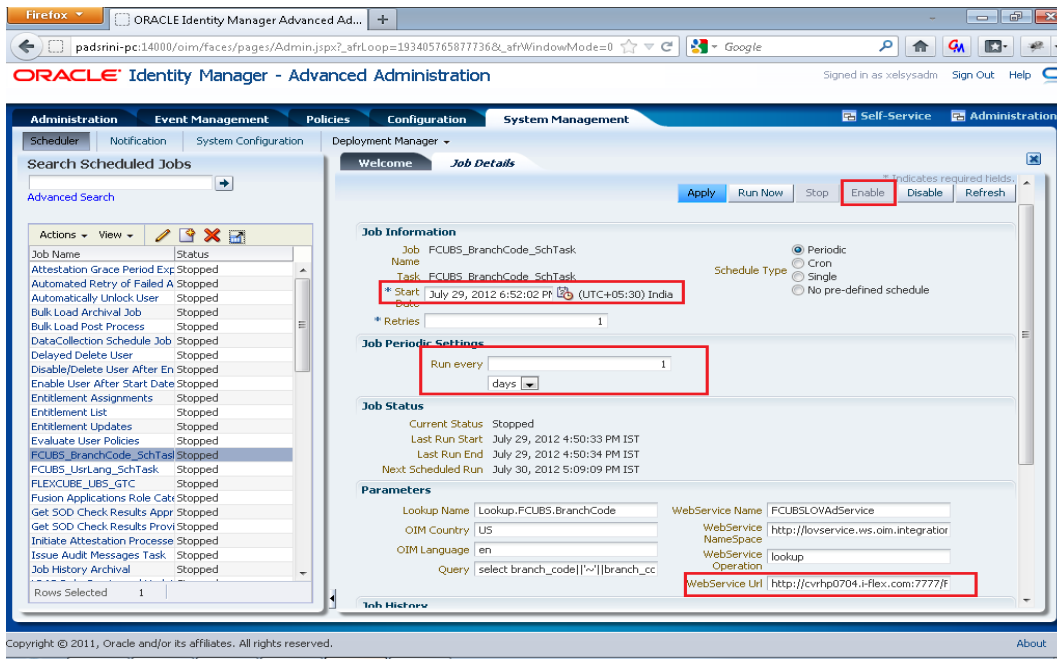
In the following screen

4. Select System Management tab
5. Click Search button
6. And select FCUBS_BranchCode_SchTask task name.

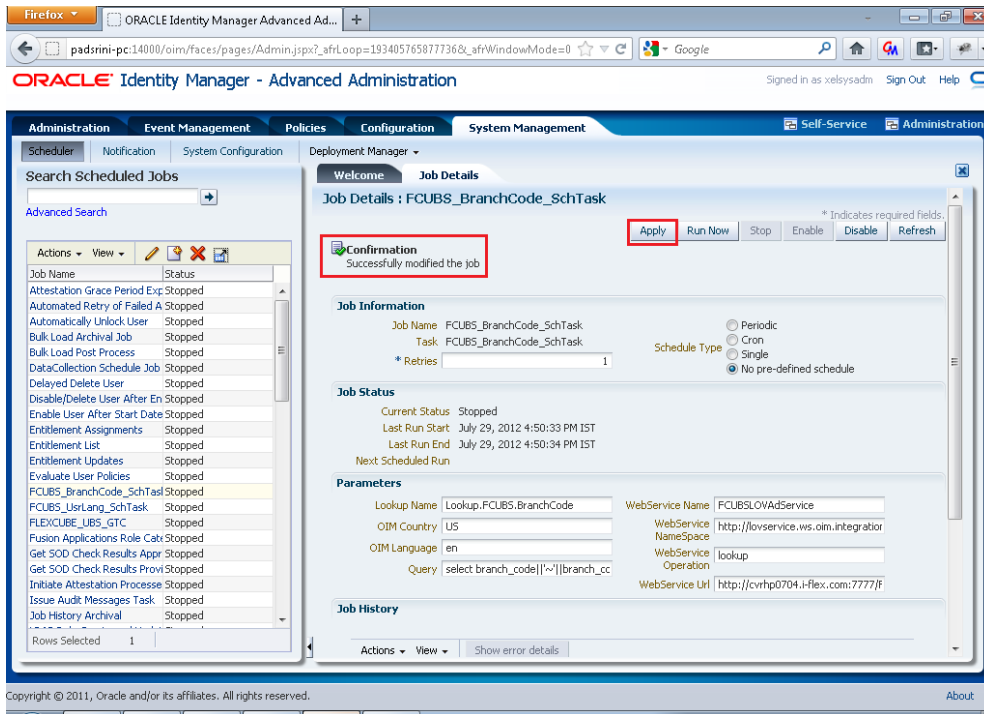


On the Edit Schedule Task screen

7. Select Enabled.
8. Enter the current date as next start.
9. Enter Job Periodic Settings.
10. Enter URL of LOV web service: FCUBSLOVAdService deployed in section 5.1.1.2.1



After entering the above fields click apply.



11. Repeat the steps 3rd to 6th for Schedule task: **FCUBS_UsrLang_SchTask**.

5.1.4 System Configurations

Integration Specific Configurations

FCUBS Configurations

On FCUBS side following configurations need to be done:

- Maintenance of Maker ID
- Maintenance of External Source

Both configurations can be done using FCJ provided screens.

Maintenance of Maker ID

The FCJ screen can be open through **Security Maintenance >> Users >> Detailed** menu or using the function **SMDUSRDF**.

Maintenance of External Source

For OIM request and response handling, an external source should be maintained in FCUBS database.

1. The FCJ screen can be open through **Gateway >> External System >> Detailed** menu or using the function 'GWDEXSYS'.
2. This external source should be able to do all operations like Create, Modify, Close, Open, View. This can be maintained through function GWDEXFUN or through Gateway >> External System Functions >> Detailed. Required actions and their corresponding details are given as below.

Action	Function	Service Name	Operation code
NEW	SMGUSRDF	FCUBSSMSservice	CreateUserMaint

UNLOCK	SMGUSRDF	FCUBSSMService	ModifyUserMaint
DELETE	SMGUSRDF	FCUBSSMService	DeleteUserMaint
CLOSE	SMGUSRDF	FCUBSSMService	CloseUserMaint
REOPEN	SMGUSRDF	FCUBSSMService	ReopenUserMaint
VIEW	SMQUSRDF	FCUBSSMService	QueryUserMaint

3. Ensure that required maintenance has been done for function CODSORCE (Gateway >> Source>> Detailed) and for function CODUPLDM (Gateway >> Source Preferences >> Detailed menu).
4. For maintenance of amendable fields in GWTM_AMEND_NODES and GWTM_AMEND_FIELDS entries can be made using the function **STDAMDMT** or through **Gateway >> Amendment Maintenance >> Detailed**. Following table gives the amendable node and fields details that should be maintained

Field Name	Value
Amend Nodes section	
Node Name	SMTB_USER
New Allowed	Checked
Delete Allowed	Checked
All Records	Checked
Amend Fields section	
Field Name	HOME_BRANCH
Field Name	START_DATE
Field Name	TIME_LEVEL
Field Name	USER_LANGUAGE
Field Name	USER_NAME
Field Name	USER_PASSWORD
Field Name	SALT

5.1.5 OIM Configurations

OID Configuration

For FCUBS single sign on mode, the provisioning process consist of user creation in underlying LDAP directory and then provsioining into FCUBS. OIM porvides out of box connectors for LDAP directorires. This connectors provides facility to connect with LDAP and to do the operation through OIM console.

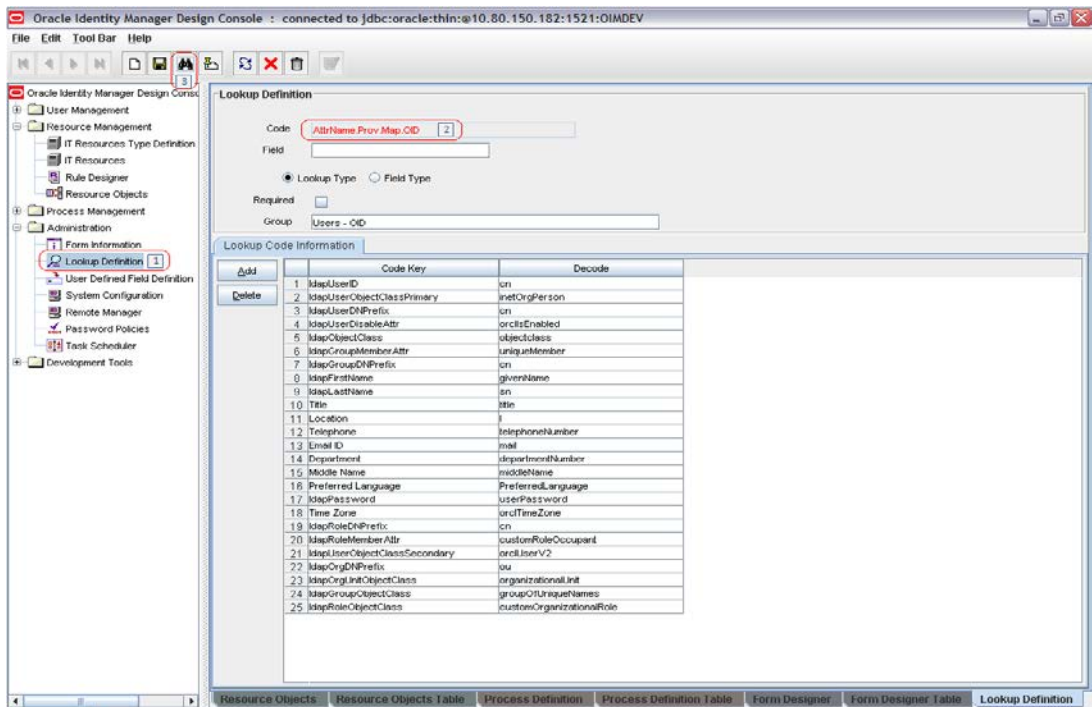
In this integration, the underlying directory for Oracle access manager is Oracle Internet Directory. OIM porvides out of box connector for it that need to be imported as the connector document provided by OIM. After import, following steps should be followed :

1. Login to the Design Console.



Navigate to the Administration>>Lookup Definition menu. This will open a blank screen.

2. Enter AttrName.Prov.Map.OID in Keyword box.
3. Click on Search icon.
4. This will show the value for the **lookup**.

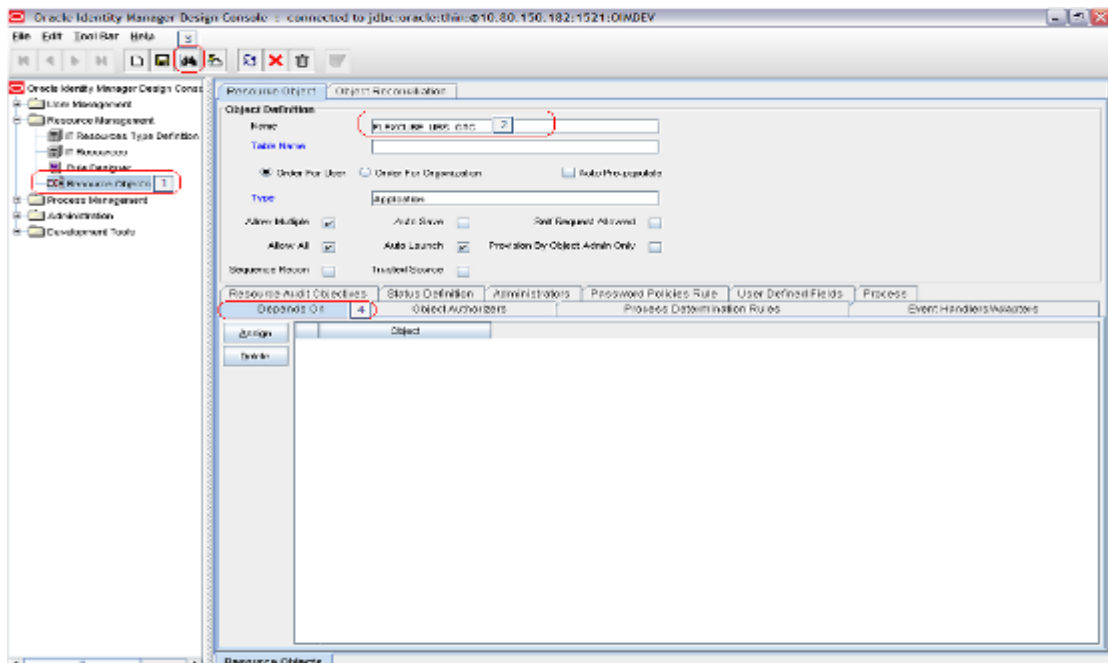


Navigate to the Resource Management>>Resource Objects menu. This will open a blank screen.

5. Enter FLEXCUBE_UBS_GTC in Name box.

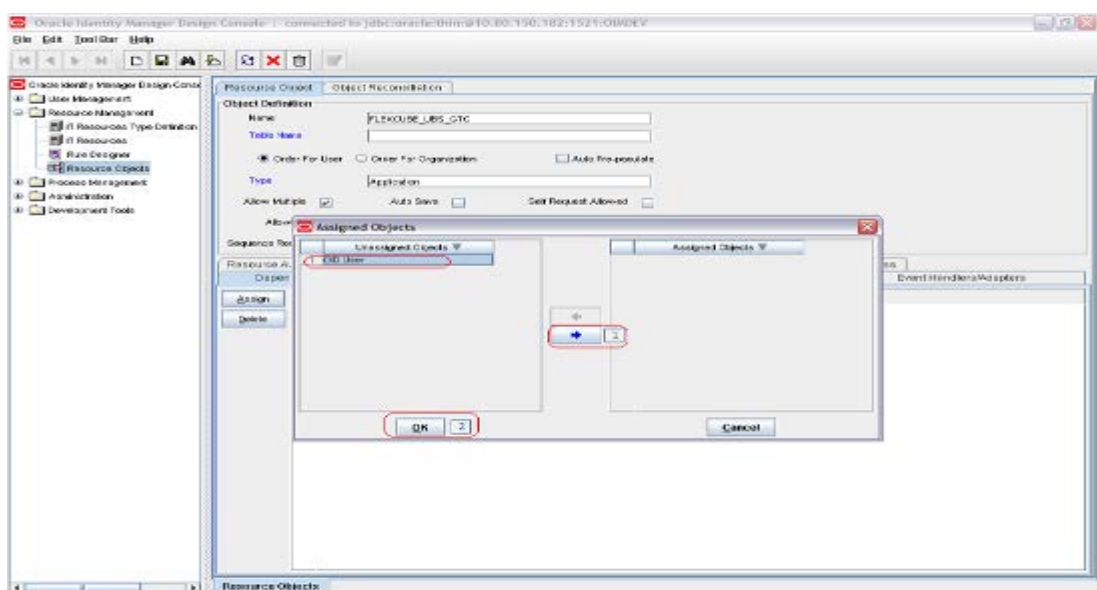
6. Click on Search icon.

7. This will show the definition for resource FLEXCUBE_UBS_GTC. Click on Depends On tab.



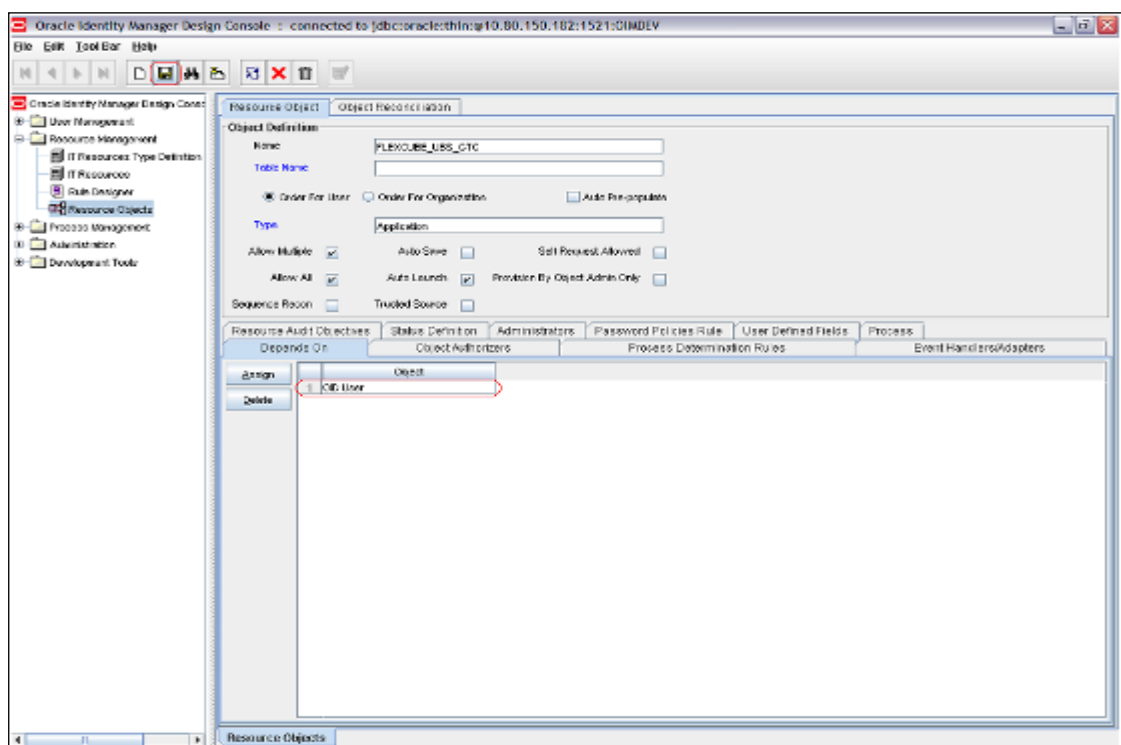
8. Select the OID User from the Unassigned Objects list. Click on the arrow pointed to Assign objects.

9. Click on OK. This will move OID user resource to Assigned objects



10. Ensure that OID User will be shown under Objects.

11. Click on Save.



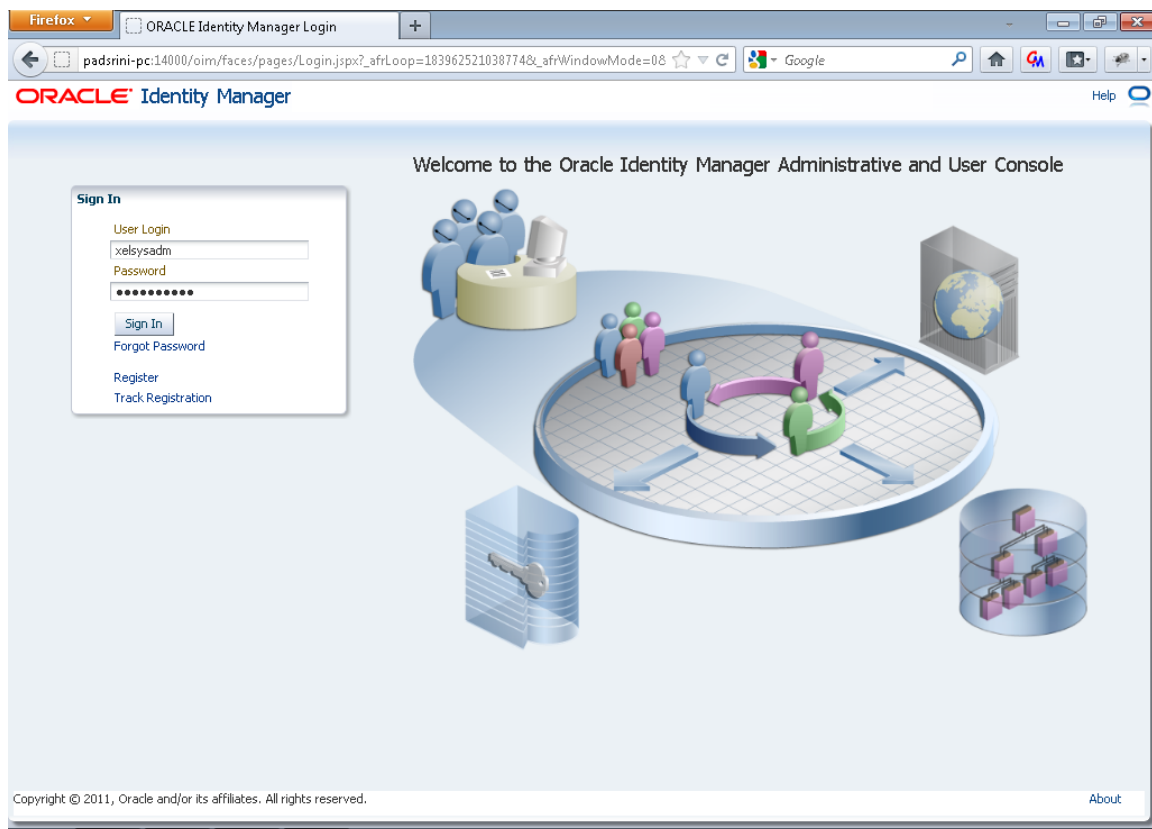
6. Solution / Usage Guidelines

6.1 Working with OIM

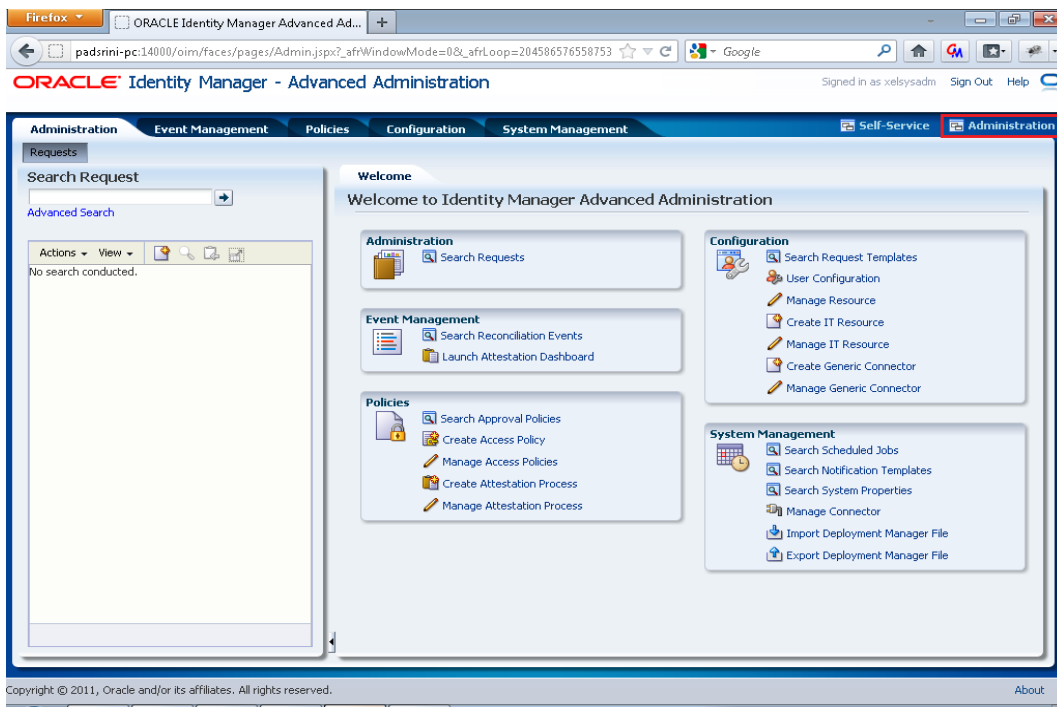
6.1.1 Creating a user in FCUBS through OIM

To create a user in FCUBS through OIM, first a user must be created in OIM itself. After creating a user in OIM, a user can be created in FCUBS by assigning a resource named **FLEXCUBE_GTC**.

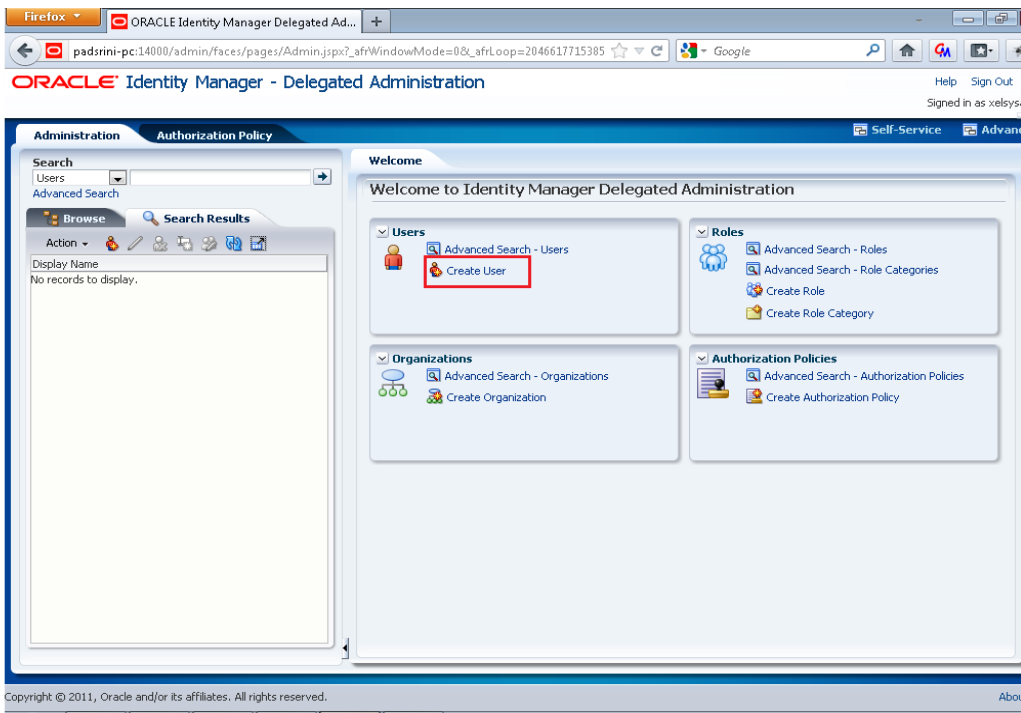
1. Open the Oracle Identity Manager Administrative console. (Give the following URL in the browser: <http://hostName:port/oim>.)
 - i. Login to Administrative Console
2. Enter OIM administrator username/password and press **Login**.



3. Click on Administration link

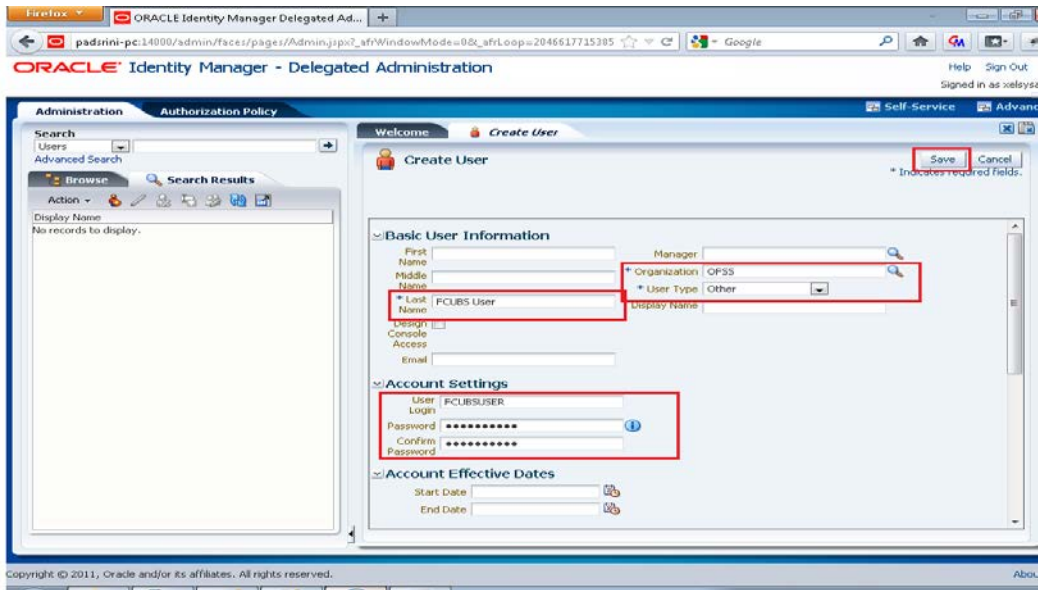


4. Click the link Create User

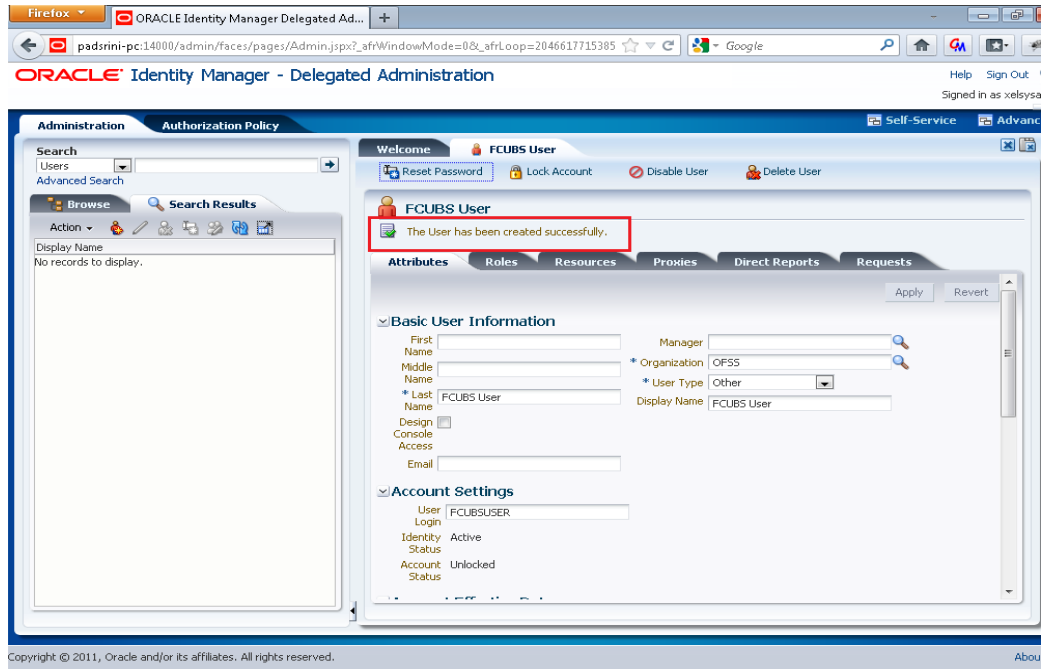


The Create User screen will get displayed.

5. Enter the details of the user (The Fields that are marked with * are required fields.)
6. Click on Save.

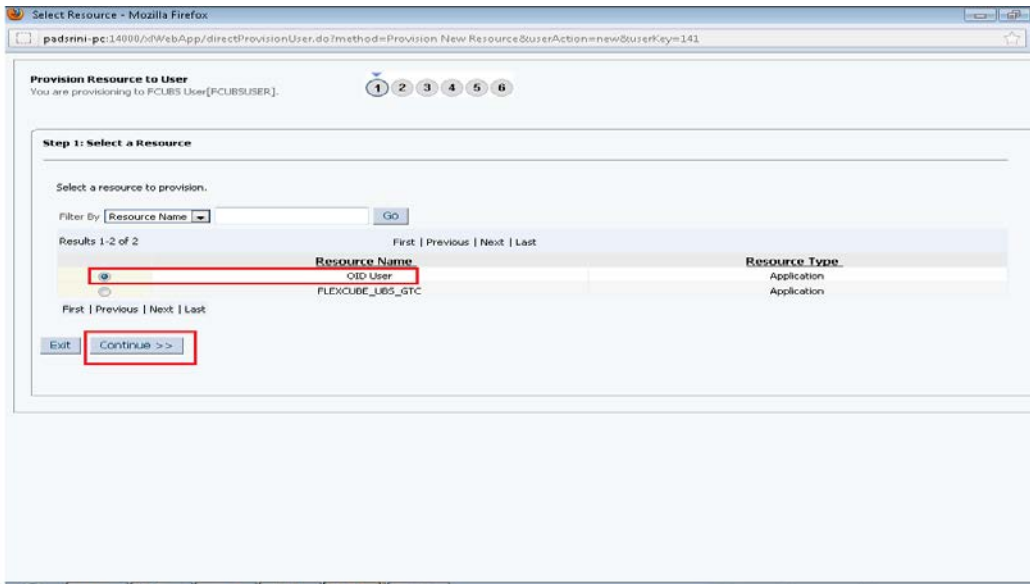


7. On successful creation of user in OIM User Detail screen will get appeared.

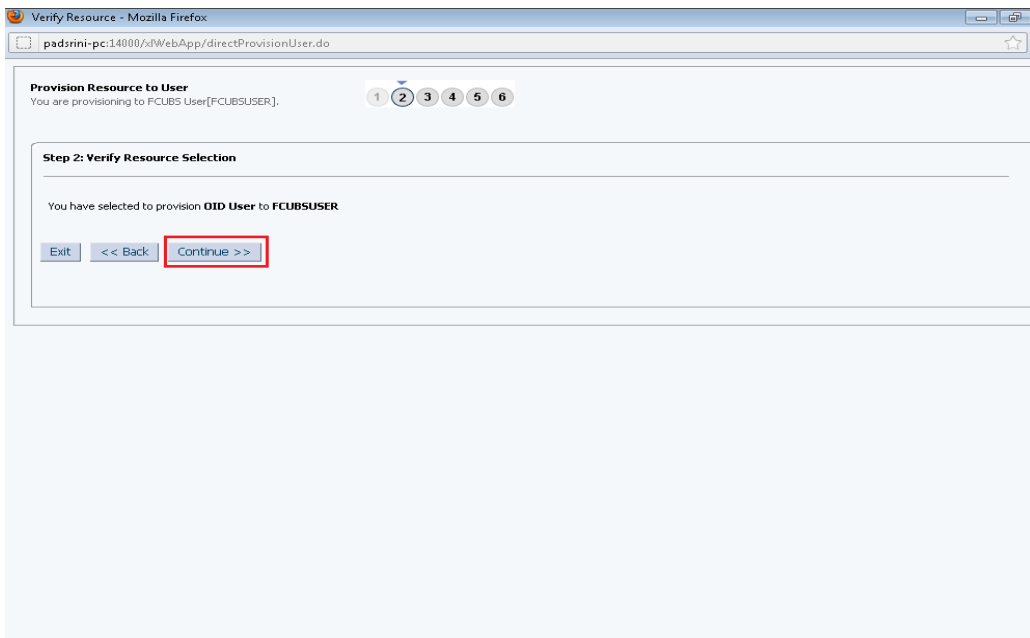


After successful creation

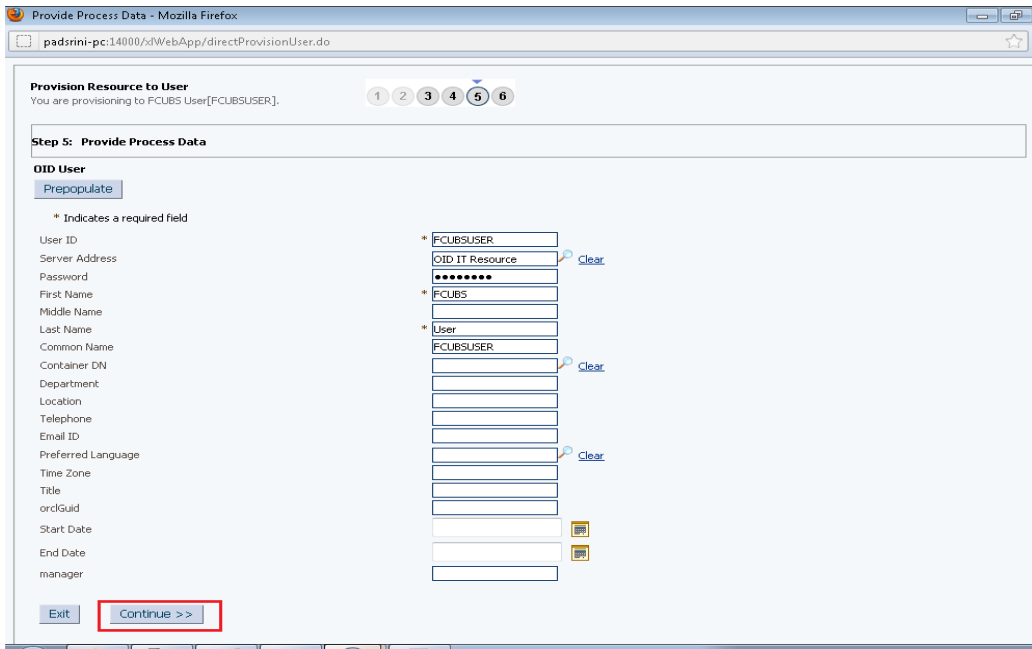
8. Click on Resources tab
9. Click Add button which will launch the below screen.
10. In the screen select OID User and click next



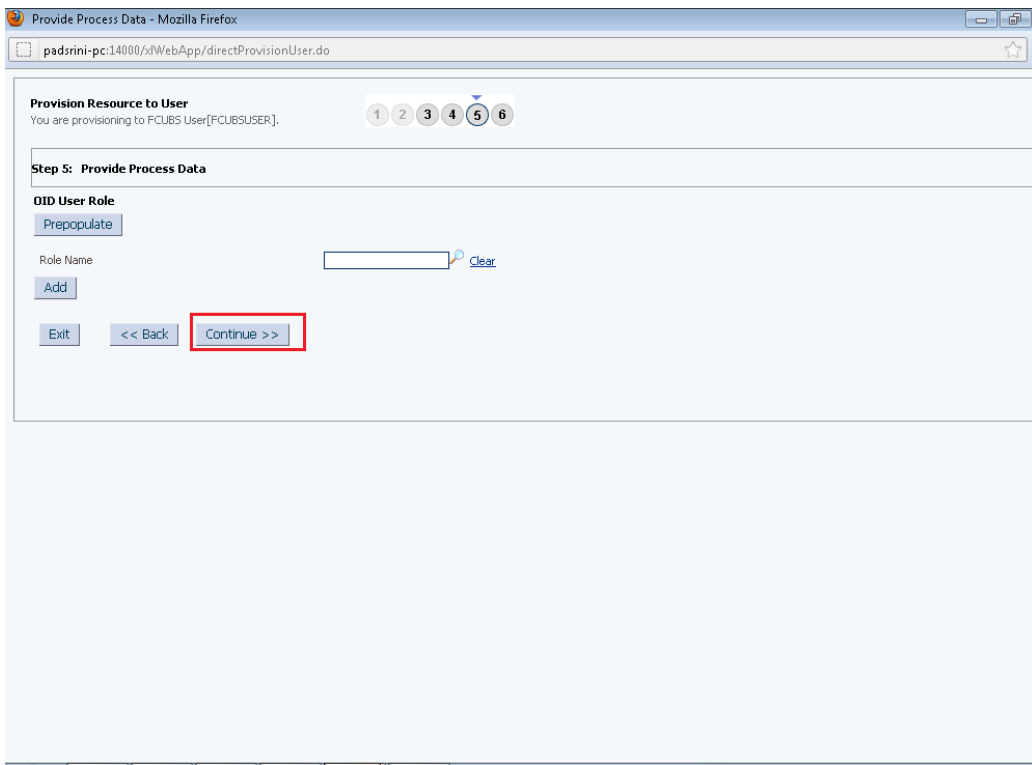
11. In the following screen click Continue to confirm the selection



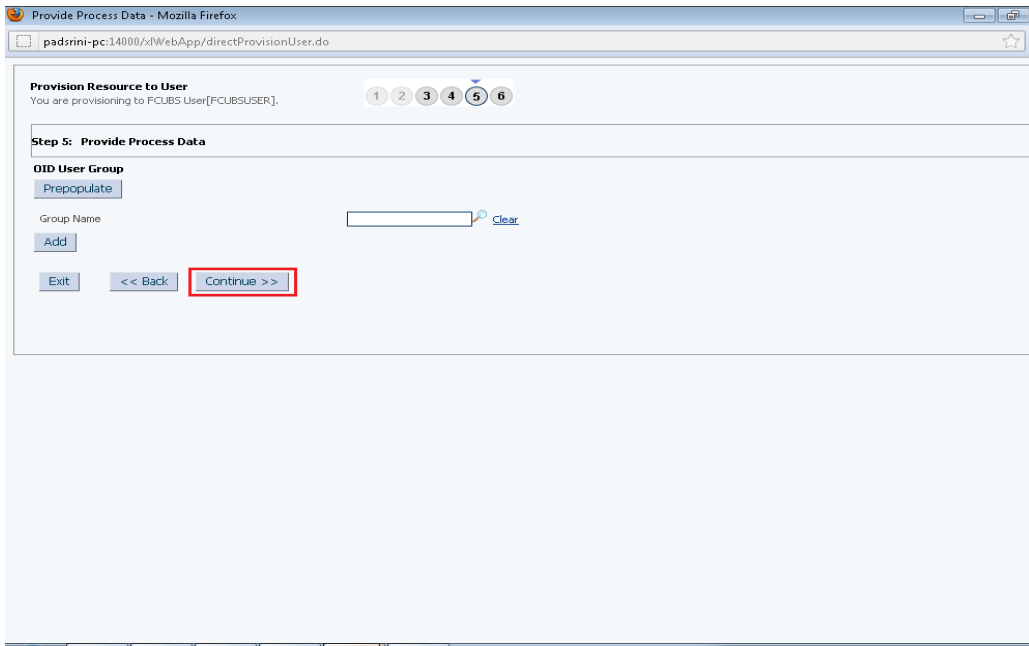
In the following screen enter all mandatory fields(marked with *) and click continue



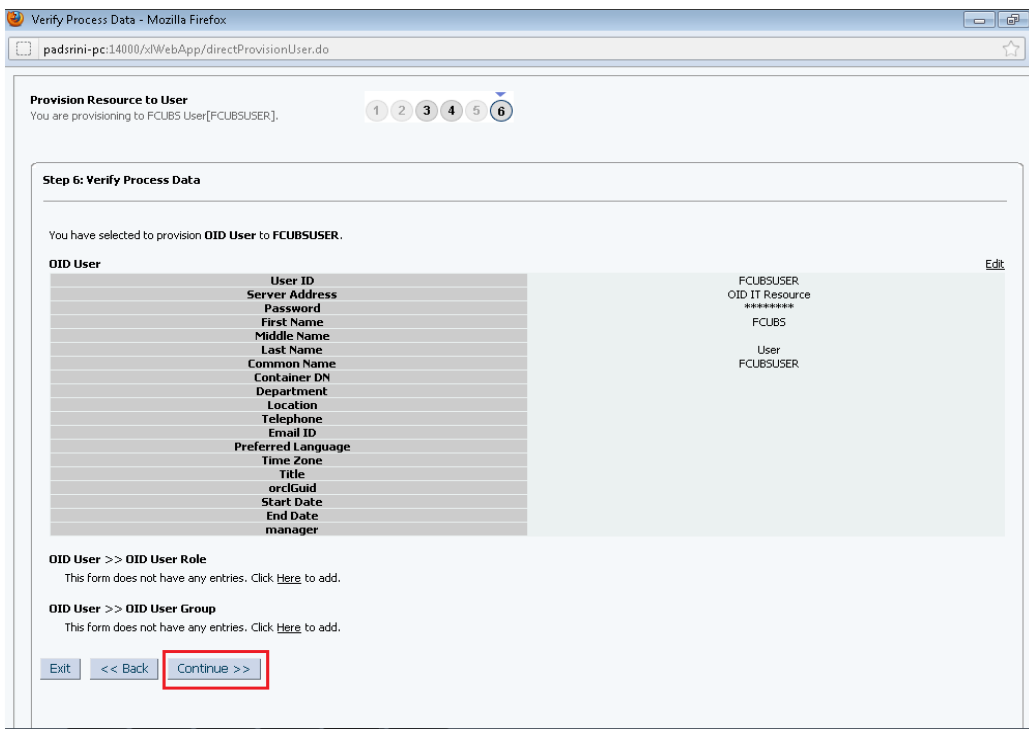
12. In the following screen click continue



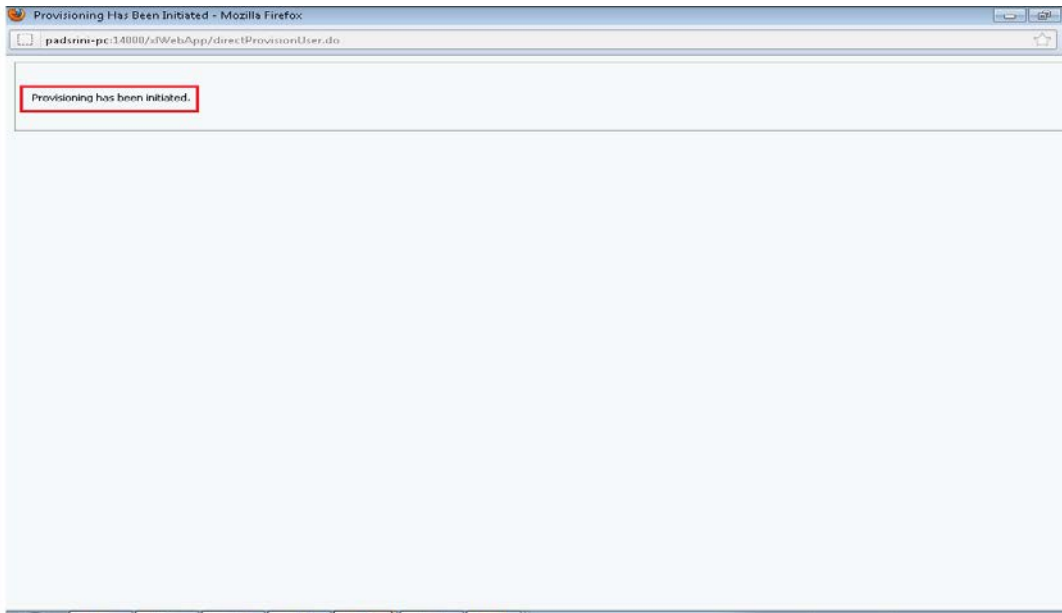
In the following screen click continue



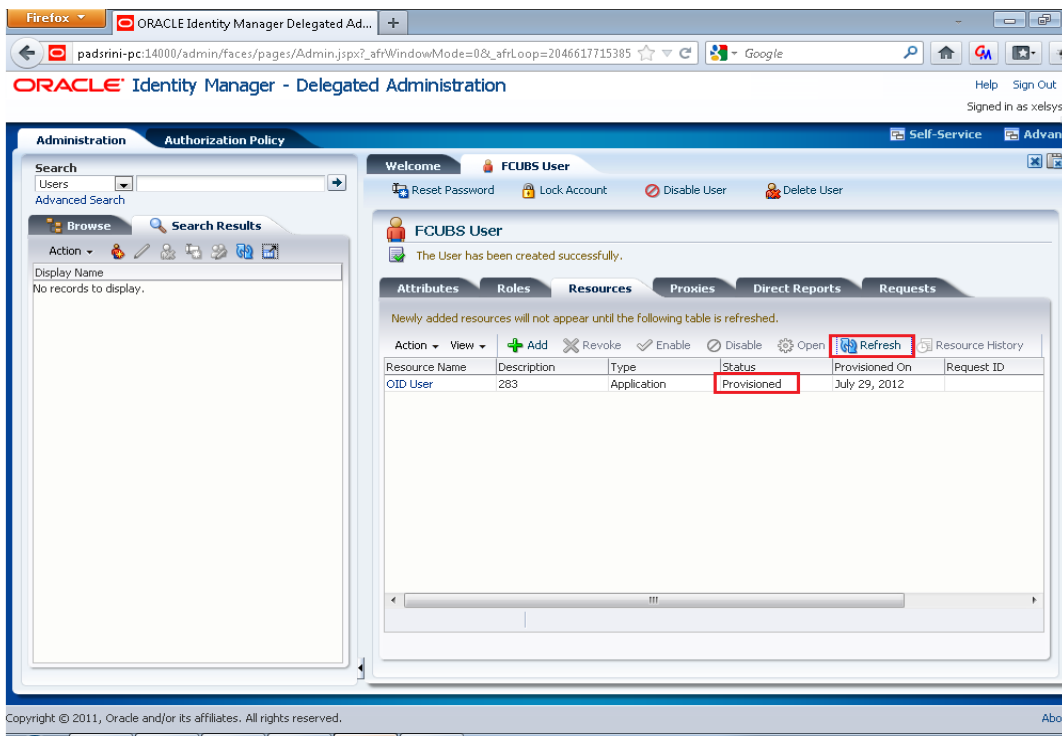
In the following screen after verifying the data, click continue which will initiate the provisioning process.



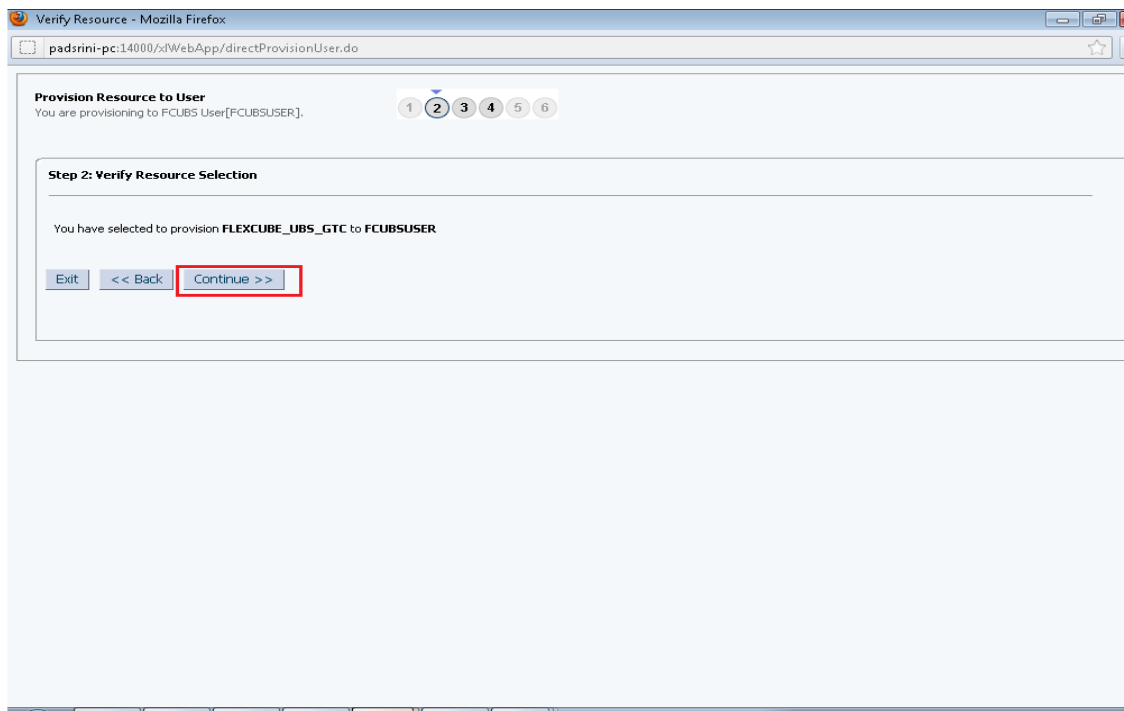
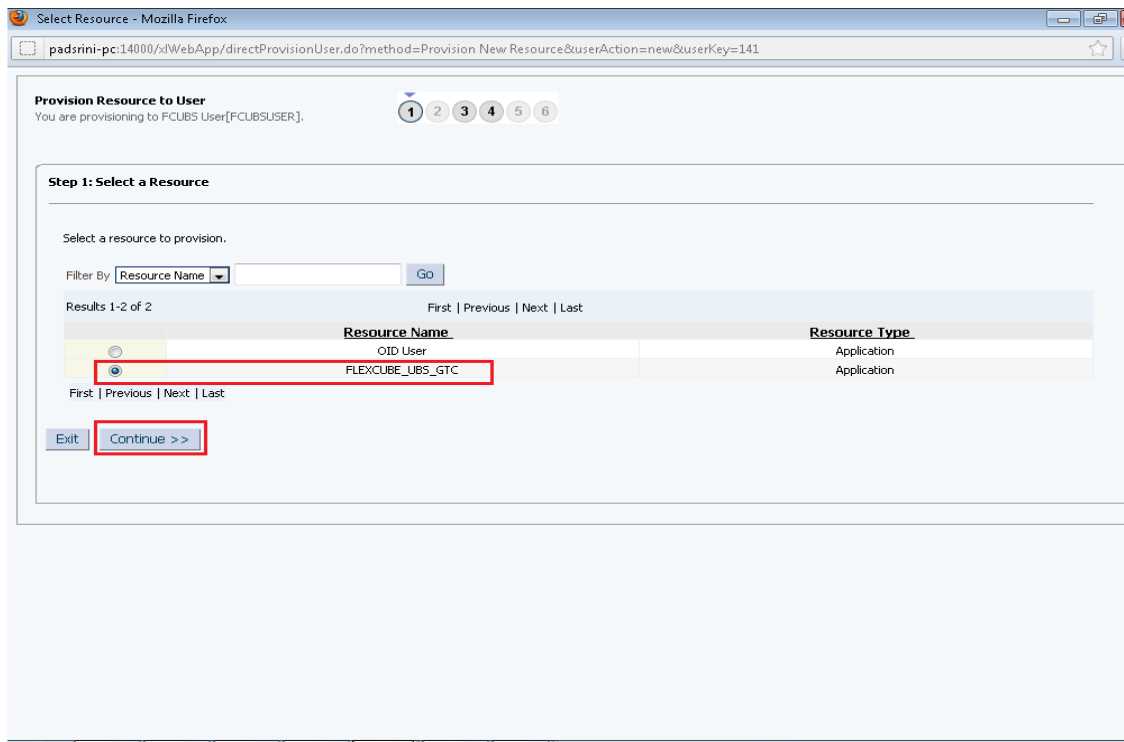
The provisioning initiated message will get displayed as below. Close the screen.



13. In the resources tab of user creation, click refresh to view the status of the OID user provision process. If the status is provisioned then the User is created in the LDAP server.



Again click on add button to provision the user to FLEXCUBE DB



FLEXCUBE_UBS will get displayed containing fields that will be sent to the FCUBS for user creation. Some of the fields will already contain values like

- containerID
- objectclass
- USERID
- USERNAME and

- USERPASSWORD

Values for the above mentioned fields can be changed but it is recommended that containerID, User Password and objectclass values shouldn't be modified.

Provide Process Data - Mozilla Firefox
padsrini-pc:14000/xlWebApp/directProvisionUser.do

Provision Resource to User
You are provisioning to FCUBS User[FCUBSUSER].

1 2 3 4 5 6

Step 5: Provide Process Data

Provisioning form for FLEXCUBE_UBS

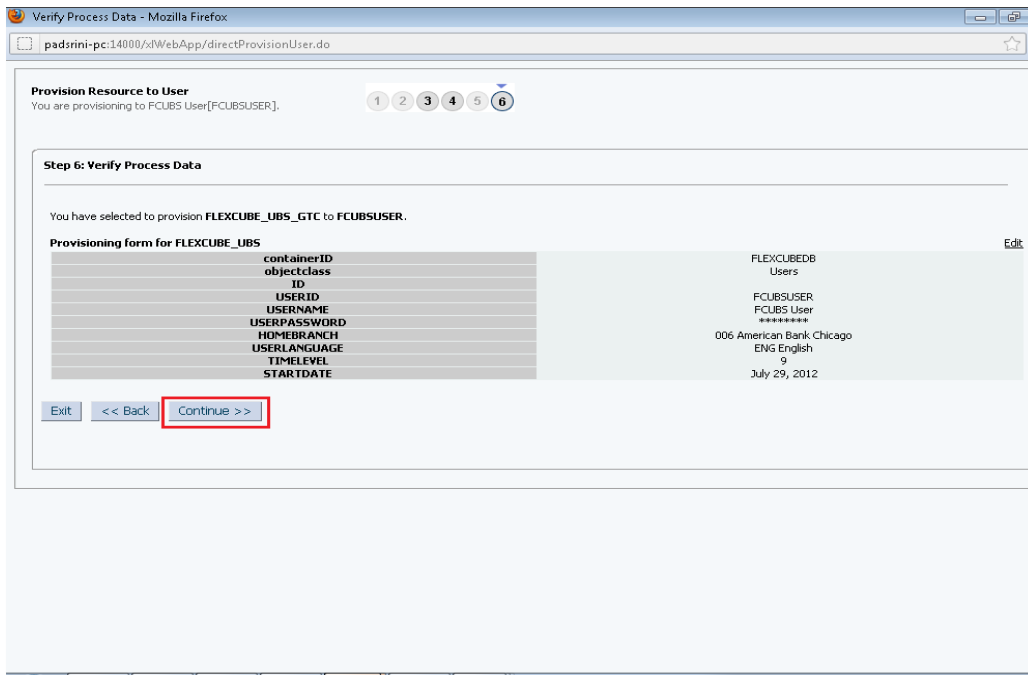
Prepopulate

* Indicates a required field

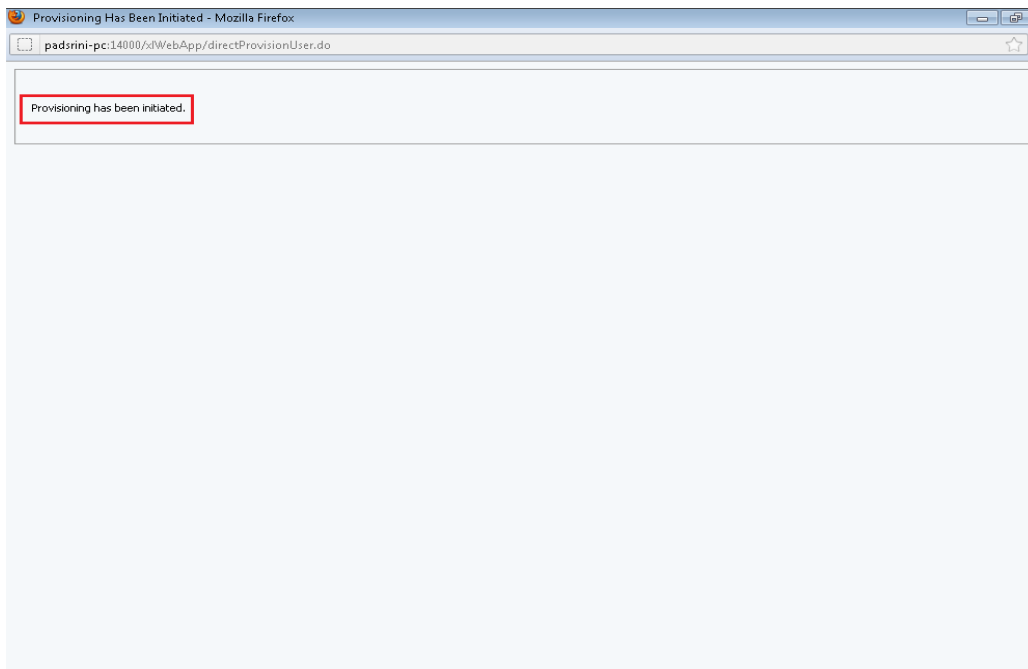
containerID	FLEXCUBE08
objectclass	Users
ID	
USERID	* FCUBSUSER
USERNAME	* FCUBS User
USERPASSWORD	*
HOMEBRANCH	* 006 American Bank, Chic Clear
USERLANGUAGE	* ENG English Clear
TIMELEVEL	* 9 Clear
STARTDATE	* July 29, 2012

Exit **Continue >>**

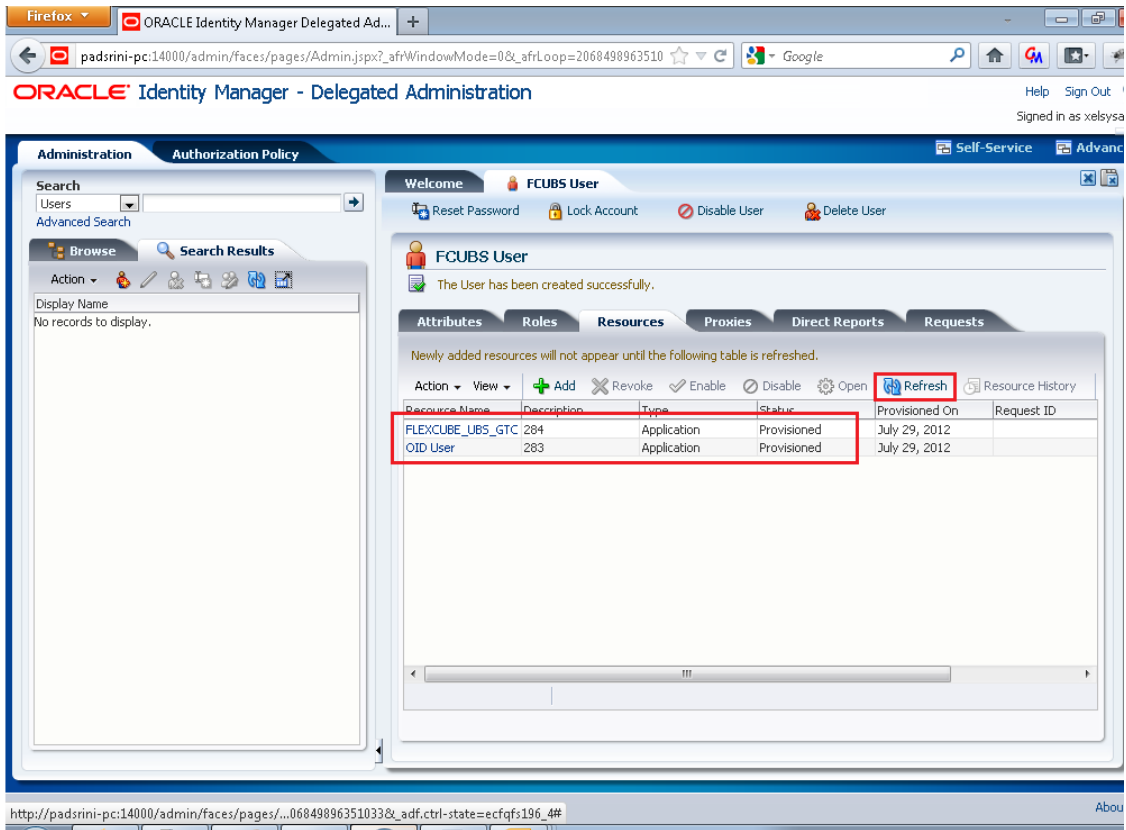
14. Verify the input and click Continue to start provisioning.



15. Provisioning process initiated message will be shown in the screen. Close the window.



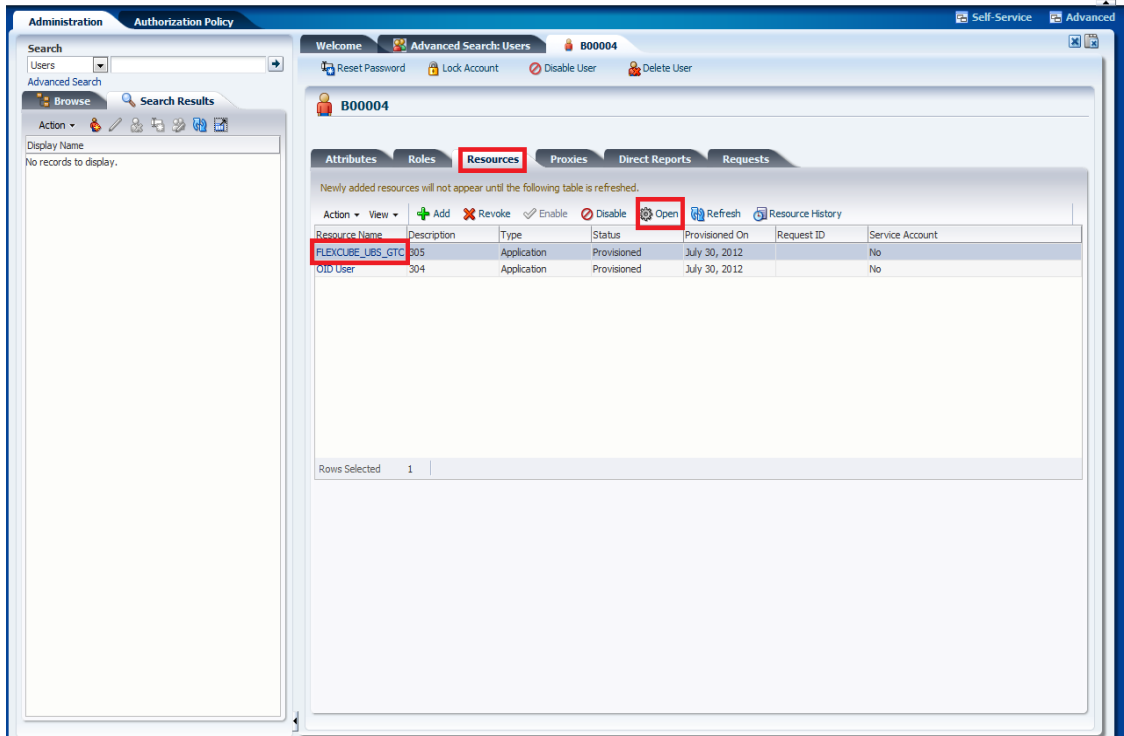
16. In the user creation screen, click refresh button available in Resources Tab which will show the status of the provisioning process. If the status is “Provisioned” then the process is successful and User is now created in FCUBS Schema. If the status is showing as “Provisioning” then there is some error in the provisioning process. Click on Resource History button to view the error details.



6.1.2 Modifying a user in FCUBS through OIM

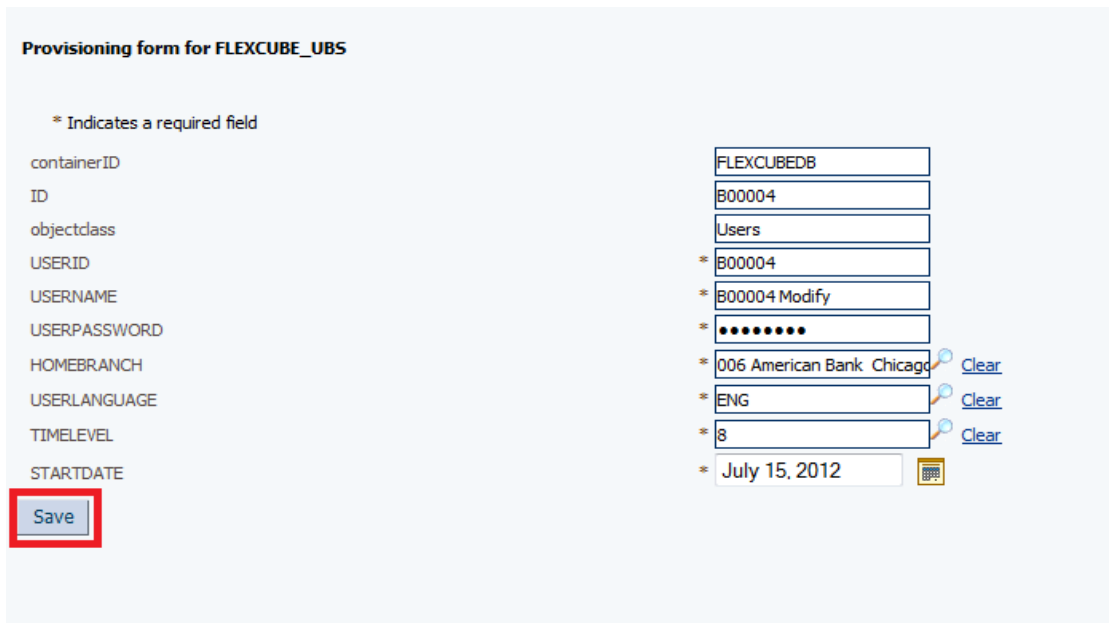
Navigate to the Resources>>Select FLEXCUBE_UBS_GTC >> Click on Open

1. After successful provisioning User Details like User Name, User Password, Time Level, User Language and Home Branch can be modified.
2. Start Date Cannot be modified.



The following screen is displayed.

3. Modify the data (Any/All of User Name, User Password, Time Level, Home Branch, User Language).
4. Click on Save



The following screen is displayed.

5. Close the Screen.

Provisioning form for FLEXCUBE_UBS			
containerID	FLEXCUBEDB	HOMEBRANCH	006 American Bank Chicago
ID	B00004	USERLANGUAGE	ENG
objectclass	Users	TIMELEVEL	8
USERID	B00004	STARTDATE	July 15, 2012
USERNAME	B00004 Modify		
USERPASSWORD	*****		

Navigate to the Resources>>Select FLEXCUBE_UBS_GTC >> Resource History

ORACLE Identity Manager - Delegated Administration

Help Sign Out
Signed in as xelsysadm

Administration Authorization Policy

Welcome Advanced Search: Users B00004
Reset Password Lock Account Disable User Delete User

B00004

Attributes Roles Resources Proxies Direct Reports Requests

Newly added resources will not appear until the following table is refreshed.

Action View Add Revoke Enable Disable Open Refresh Resource History

Resource Name	Description	Type	Status	Provisioned On	Request ID	Service Account
FLEXCUBE_UBS_GTC	305	Application	Provisioned	July 30, 2012		No
OID User	304	Application	Provisioned	July 30, 2012		No

Rows Selected: 1

The following screen is displayed.

- Based on the modification done it will show the individual field change status (In case of more than one field like User Name, User Password changes it will show UserName Updated, UserPassword Updated etc.).

User Detail >> Resource Profile >> Resource Provisioning Details

The following are the provisioning tasks for the resource. You can also enable, disable, or revoke this resource from the user.

FLEXCUBE_UBS_GTC provisioning details for B00004[B00004]

Results 1-10 of 32 First | Previous | Next | Last

Task Name	Task Status	Date Assigned	Assigned To	Retry
System Validation	Completed	July 30, 2012	System Administrator [NELSYSADM]	<input type="checkbox"/>
TIMELEVEL Updated	Completed	July 30, 2012	SYSTEM ADMINISTRATORS	<input type="checkbox"/>
TIMELEVEL Updated	Completed	July 30, 2012	SYSTEM ADMINISTRATORS	<input type="checkbox"/>
USERPASSWORD Updated	Completed	July 30, 2012	SYSTEM ADMINISTRATORS	<input type="checkbox"/>
USERPASSWORD Updated	Completed	July 30, 2012	SYSTEM ADMINISTRATORS	<input type="checkbox"/>
USERPASSWORD Updated	Completed	July 30, 2012	SYSTEM ADMINISTRATORS	<input type="checkbox"/>
USERPASSWORD Updated	Completed	July 30, 2012	SYSTEM ADMINISTRATORS	<input type="checkbox"/>
USERPASSWORD Updated	Completed	July 30, 2012	SYSTEM ADMINISTRATORS	<input type="checkbox"/>
USERNAME Updated	Completed	July 30, 2012	SYSTEM ADMINISTRATORS	<input type="checkbox"/>
TIMELEVEL Updated	Completed	July 30, 2012	SYSTEM ADMINISTRATORS	<input type="checkbox"/>
Create User	Completed	July 30, 2012	SYSTEM ADMINISTRATORS	<input type="checkbox"/>

[Retry](#)

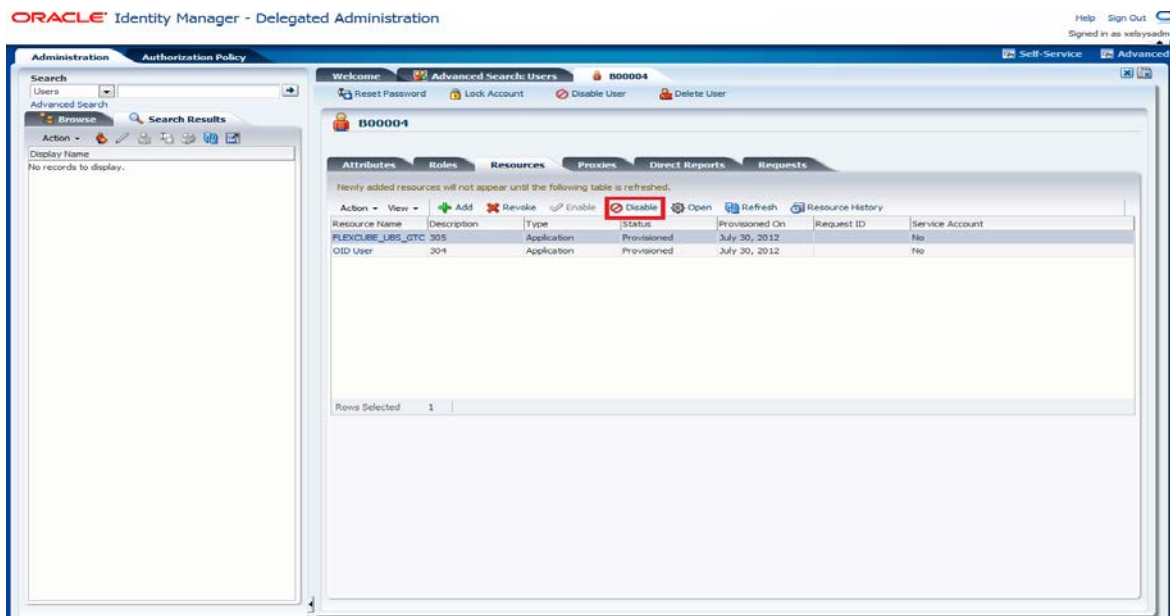
First | Previous | Next | Last

[Exit](#) [Add Task](#)

6.1.3 Disable/Revoke a user in FCUBS through OIM

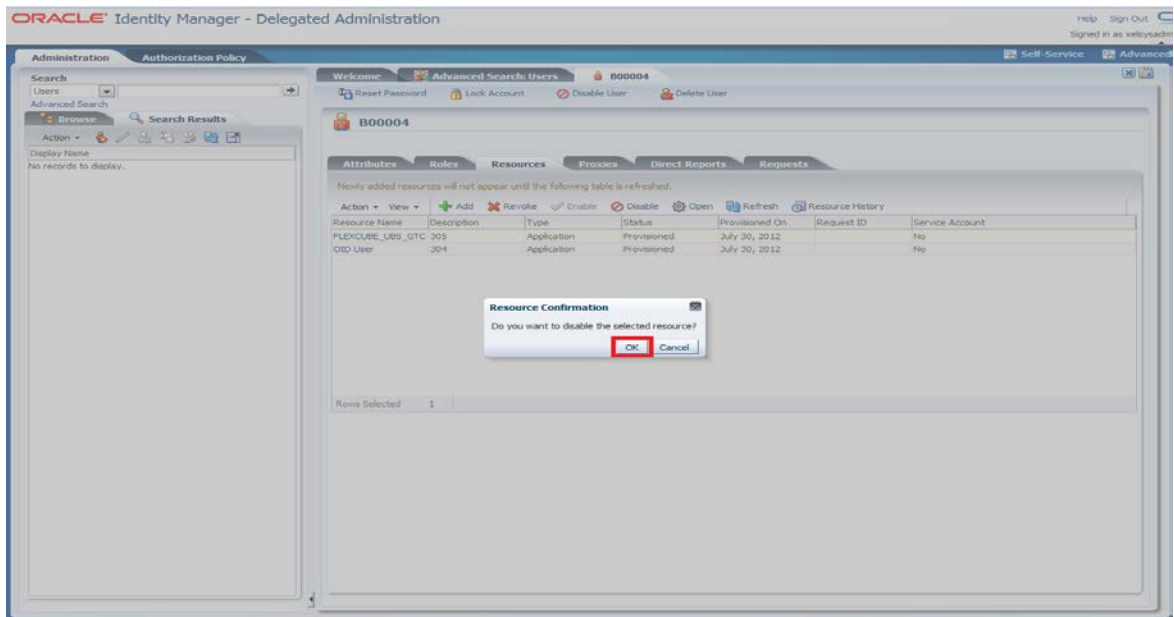
There is a slight difference between Disable and Revoke option. If the user id disabled then the same user can be enabled using the Enable option. If the User is Revoked then the user cannot be enabled through OIM. But in FCUBS, both Disable and Revoke option will close the existing user record.

Resources>>Select FLEXCUBE_UBS_GTC >>Click on Disable/Revoke



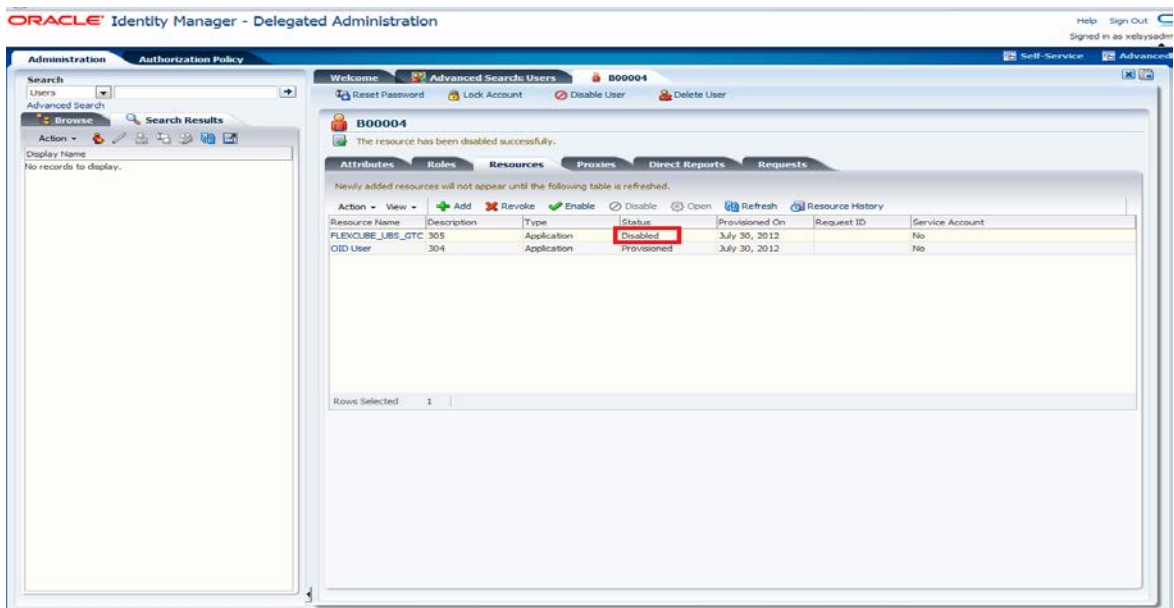
Disable Confirmation Screen will get displayed

1. Click on OK.



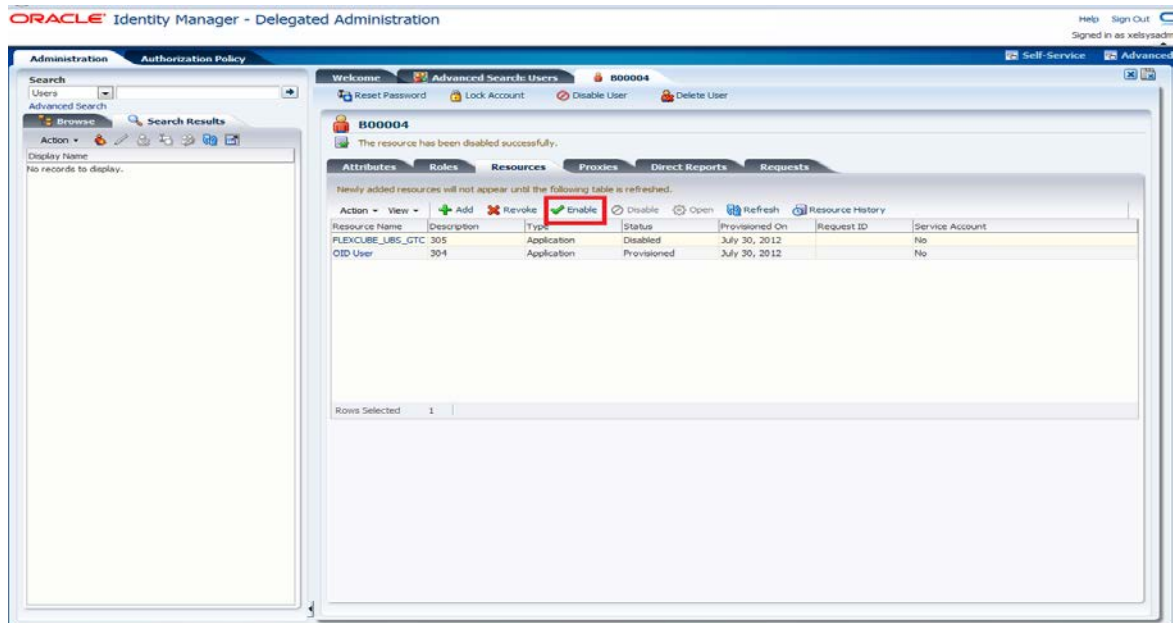
The following screen is displayed.

2. On successful processing, it will display the FLEXCUBE_UBS_GTC status as Disabled
3. In case changes are not visible then Click on Refresh.



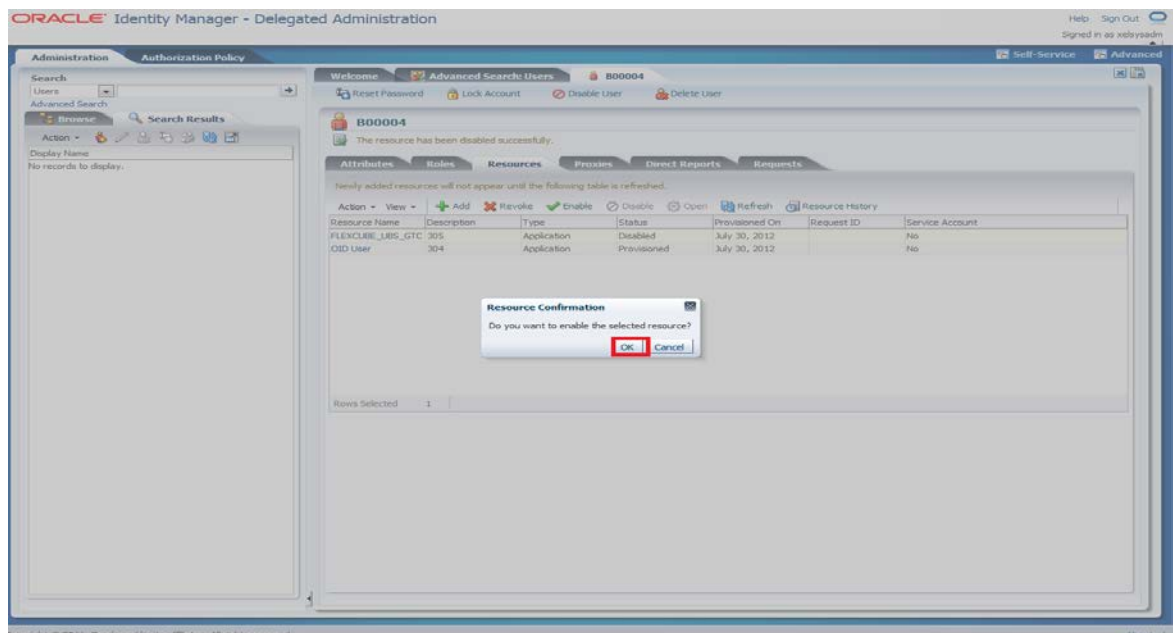
6.1.4 Enabling a Disabled user in FCUBS through OIM

Resources>>Select FLEXCUBE_UBS_GTC >>Click on Enable



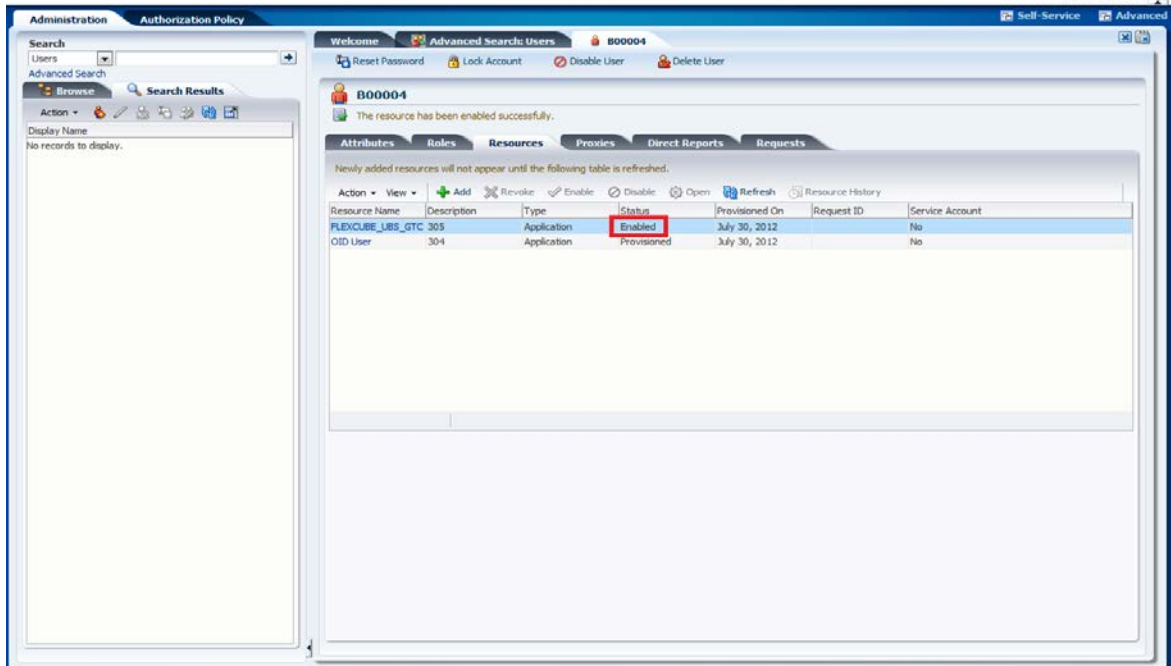
Enable Confirmation Screen will get displayed

1. Click on OK.



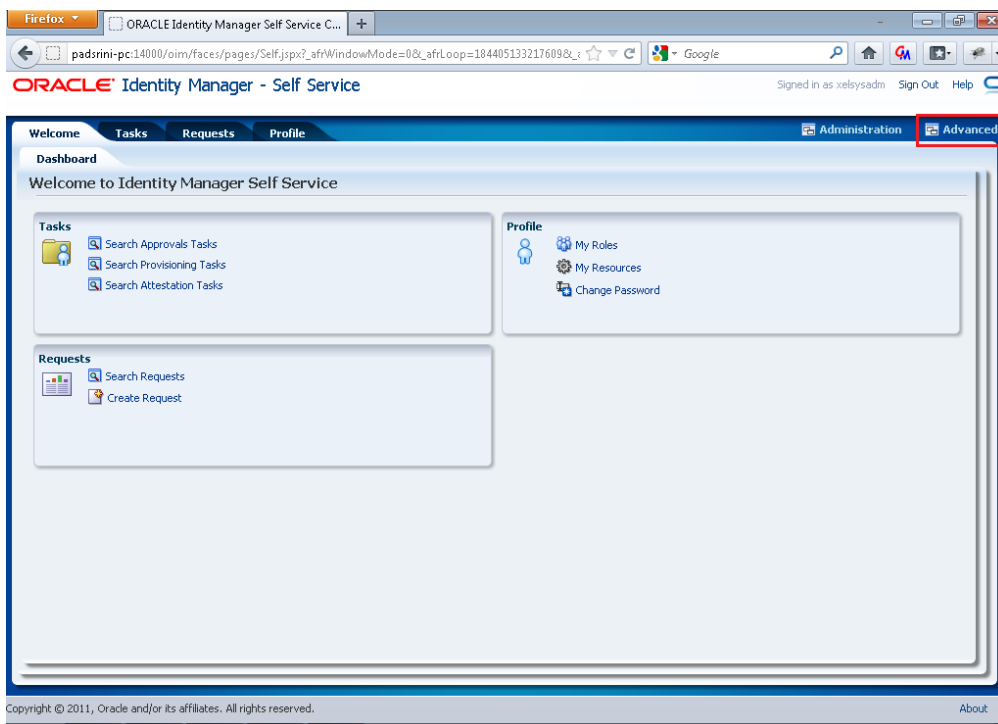
The following screen is displayed.

2. It will display the FLEXCUBE_UBS_GTC status will show as Enabled
3. In case changes are not visible then Click on "Refresh".

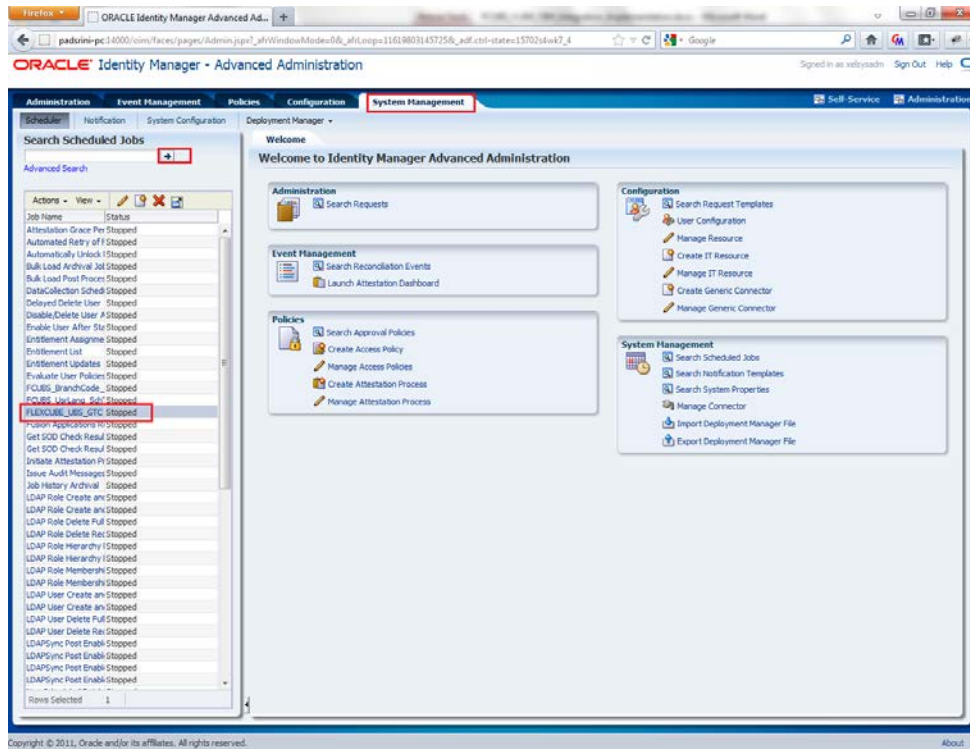


6.1.5 Running Reconciliation in OIM

1. Copy the reconciliation staging file that is created by function id SMBOIMHF as EOD day activity to the OIM server's staging directory.
2. Login in OIM Admin Console and Click on Advanced.



3. Click on System Management tab and search FLEXCUBE_UBS_GTC Scheduled Jobs by clicking Search Button.



4. If the job is scheduled periodically, based on the frequency and scheduled time, system will automatically process the reconciliation. If it not scheduled, user can manually initiate the reconciliation process by clicking the Run Now button.
5. After running the process, click Refresh button to view the status of the initiated job. The job history section available in the screen will show whether the job is in progress or it is completed.

The screenshot displays the Oracle Identity Manager - Advanced Administration web interface. The main content area is titled "Job Details : FLEXCUBE_UBS_GTC". At the top right, there are control buttons: "Apply", "Run Now", "Stop", "Enable", "Disable", and "Refresh". The "Run Now" button is highlighted with a red box. Below this, the "Job Information" section shows the job name and task as "FLEXCUBE_UBS_GTC", with a start date of "August 1, 2012 11:46:21 (UTC+05:30) India" and 0 retries. The "Job Periodic Settings" section indicates the job runs every 1 minute. The "Job Status" section shows the current status as "Stopped", with the last run starting at "August 1, 2012 5:08:14 PM IST". The "Parameters" section lists the connector name as "FLEXCUBE_UBS" and the IT resource as "FLEXCUBE_UBS_GTC". The "Job History" section contains a table with the following data:

Start Time	End Time	Job Status	Execution Status
August 1, 2012 5:08:14 PM IST	August 1, 2012 5:08:14 PM IST	Stopped	Success
August 1, 2012 4:56:14 PM IST	August 1, 2012 4:56:14 PM IST	Stopped	Success
August 1, 2012 4:44:14 PM IST	August 1, 2012 4:44:14 PM IST	Stopped	Success
August 1, 2012 4:14:14 PM IST	August 1, 2012 4:14:14 PM IST	Stopped	Success
August 1, 2012 1:46:14 PM IST	August 1, 2012 1:46:14 PM IST	Stopped	Success
August 1, 2012 1:45:14 PM IST	August 1, 2012 1:45:14 PM IST	Stopped	Success
August 1, 2012 1:44:14 PM IST	August 1, 2012 1:44:14 PM IST	Stopped	Success

- To check the status of Reconciliation process, click on Event Management tab. Click the search button and click on Event ID. The screen will show the reconciliation data and the user ID matched for the reconciliation.

The screenshot displays the Oracle Identity Manager - Advanced Administration interface. The main content area shows the 'Event Management' section for 'Event Details: ID 101'. The event status is 'Update Succeeded'. The 'Linked To' section shows a 'Linked User' of 'B00002 - B00002' and a 'Linked Account ID' of '297'. The 'Reconciliation Data' table is visible at the bottom, showing attributes like STARTDATE, USERNAME, TIMELEVEL, HOMEBRANCH, USERID, and USERLANGUAGE.

Attribute Name	Attribute Value	OIDM Mapped Field
STARTDATE	September 2, 2011 1:00:00 AM IST	STARTDATE
USERNAME	Moonin-123	USERNAME
TIMELEVEL	9	TIMELEVEL
HOMEBRANCH	050	HOMEBRANCH
USERID	B00002	ID
USERLANGUAGE	ENG	USERLANGUAGE

In the Event details - screen

7. Check the Status: If it is "Update Succeeded" then it means the reconciliation process was able to find a matching user. It also shows the reconciliation data that has been affected.
8. If the Liked User is "Not Licked to any user" then it means the reconciliation process was not able to find a matching user.

Oracle Identity Manager - Advanced Administration

Search Reconciliation

Event ID	Profile Name	Key Field
124	FLEXCUBE_UBS_GTC KUMAR	
123	FLEXCUBE_UBS_GTC RATHAN	
122	FLEXCUBE_UBS_GTC RATHAN	
121	FLEXCUBE_UBS_GTC RATHAN	
102	FLEXCUBE_UBS_GTC RATHAN	
101	FLEXCUBE_UBS_GTC B00002	
83	FLEXCUBE_UBS_GTC B00002	
82	FLEXCUBE_UBS_GTC B00002	
80	FLEXCUBE_UBS_GTC B00002	
79	FLEXCUBE_UBS_GTC B00002	
78	FLEXCUBE_UBS_GTC SHANKAR	
77	FLEXCUBE_UBS_GTC B00001	
76	FLEXCUBE_UBS_GTC B00001	
75	FLEXCUBE_UBS_GTC SHANKAR	
74	FLEXCUBE_UBS_GTC SHANKAR	
72	FLEXCUBE_UBS_GTC VSHANKAR	
71	FLEXCUBE_UBS_GTC SHANKAR	
69	FLEXCUBE_UBS_GTC SHANKAR	
68	FLEXCUBE_UBS_GTC SHANKAR	
67	FLEXCUBE_UBS_GTC SHANKAR	
66	FLEXCUBE_UBS_GTC SHANKAR	
65	FLEXCUBE_UBS_GTC WELCOM	
64	FLEXCUBE_UBS_GTC SHANKAR	
63	FLEXCUBE_UBS_GTC WELCOM	
62	FLEXCUBE_UBS_GTC SHANKAR	
61	FLEXCUBE_UBS_GTC WELCOM	
56	FLEXCUBE_UBS_GTC SHANKAR	
55	FLEXCUBE_UBS_GTC WELCOM	
54	FLEXCUBE_UBS_GTC SHANKAR	
53	FLEXCUBE_UBS_GTC WELCOM	
52	FLEXCUBE_UBS_GTC LC32602	
51	FLEXCUBE_UBS_GTC FCUBS3	
50	FLEXCUBE_UBS_GTC LC32602	
49	FLEXCUBE_UBS_GTC FCUBS3	
47	FLEXCUBE_UBS_GTC LC32602	
46	FLEXCUBE_UBS_GTC FCUBS3	
45	FLEXCUBE_UBS_GTC LC32602	

Rows Selected: 1

Event Management

Event Details: ID 80

Event

Event ID: 80
 Current Status: Data Received
 Entity: Account
 Type: Incremental
 Key Fields: B00002
 Action Date: Action Date not specified

Date and Time: July 30, 2012 8:42:15 PM IST
 Job ID: 71196
 Resource Name: FLEXCUBE_UBS_GTC
 Profile Name: FLEXCUBE_UBS_GTC
 Modifier ID: Internal User

Linked To

Linked User: Not linked to any user
 Linked By: [Empty]

Notes

Notes: [Empty]

Reconciliation Data

Matched Accounts: [Empty]
 Matched Users: [Empty]
 History: [Empty]

View -
 No entries.

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7. Reference

The below table explains the references:

Document Number	Title
1	Oracle Identity Manager Document.
2	SPML specification Document.

8.1 Data Source Creation

Open the application server console in the browser by typing Console URL of Weblogic application server

<http://<hostname>:<port>/console/>

1. Login to Administrative Console
2. Enter Weblogic administrator username/password and press Login.



3. Expand Services and click on Data Sources as shown in below screen:

ORACLE WebLogic Server® Administration Console

Home > Summary of JDBC Data Sources

Summary of JDBC Data Sources

Configuration | Monitoring

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source.

This page summarizes the JDBC data source objects that have been created in this domain.

Customize this table

Data Sources (Filtered - More Columns Exist)

Click the **Lock & Edit** button in the Change Center to activate all the buttons on this page.

Name	Type	JNDI Name	Targets
EDNDataSource	Generic	jdbc/EDNDataSource	soa_server1
EDNLocalTxDataSource	Generic	jdbc/EDNLocalTxDataSource	soa_server1
fcjDevDS	Generic	jdbc/fcjDevDS	Applications
fcjdevDS11	Generic	jdbc/fcjdevDS11	Applications
fcjdevDS120	Generic	jdbc/fcjdevDS120	Applications
FCUBS	Generic	jdbc/fcjdevDS	AdminServer, Applications
FCUBS120_XA	Generic	jdbc/fcjdevDS120_XA	Applications
FCUBSScheduler	Generic	jdbc/fcjSchedulerDS	Applications
jdbc/registryDS	Generic	jdbc/registryDS	wls_ods1, wls_of1, osr_server1
mds-om	Generic	jdbc/mds/MDS_REPOS	om_server1

Showing 1 to 10 of 19 Previous | Next

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4. Click on Lock & Edit as shown below.

ORACLE WebLogic Server® Administration Console

Home > Summary of JDBC Data Sources

Summary of JDBC Data Sources

Configuration | Monitoring

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source.

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Customize this table

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Name	Type	JNDI Name	Targets
EDNDataSource	Generic	jdbc/EDNDataSource	soa_server1
EDNLocalTxDataSource	Generic	jdbc/EDNLocalTxDataSource	soa_server1
fcjDevDS	Generic	jdbc/fcjDevDS	Applications
fcjdevDS11	Generic	jdbc/fcjdevDS11	Applications
fcjdevDS120	Generic	jdbc/fcjdevDS120	Applications
FCUBS	Generic	jdbc/fcjdevDS	AdminServer, Applications
FCUBS120_XA	Generic	jdbc/fcjdevDS120_XA	Applications
FCUBSScheduler	Generic	jdbc/fcjSchedulerDS	Applications
jdbc/registryDS	Generic	jdbc/registryDS	wls_ods1, wls_of1, osr_server1
mds-om	Generic	jdbc/mds/MDS_REPOS	om_server1

Showing 1 to 10 of 19 Previous | Next

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5. Expand New and click on Generic Data Source.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: IDMDomain

Change Center
View changes and restarts
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.
Lock & Edit
Release Configuration

Domain Structure
IDMDomain
- Environment
- Deployments
- Services
- Messaging
- Data Sources
- Persistent Stores
- Foreign JNDI Providers
- Work Contexts
- XML Registries
- XML Entity Caches
- JCOM
- Mail Sessions
- File Tr

How do I...

- Create JDBC generic data sources
- Create JDBC GridLink data sources
- Create JDBC multi data sources
- Delete JDBC data sources
- Delete JDBC multi data sources

System Status
Health of Running Servers

- Failed (0)
- Critical (0)
- Overloaded (0)
- Warning (0)
- OK (5)

Summary of JDBC Data Sources
Configuration Monitoring

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source.

This page summarizes the JDBC data source objects that have been created in this domain.

Customize this table

Data Sources (Filtered - More Columns Exist)

	Type	JNDI Name	Targets
Generic Data Source	Generic	jdbc/EDNDataSource	soa_server1
GridLink Data Source	Generic	jdbc/EDNLocalTxDataSource	soa_server1
Multi Data Source	Generic	jdbc/fcDevDS	Applications
fcDevDS	Generic	jdbc/fcdevDS11	Applications
fcDevDS11	Generic	jdbc/fcdevDS120	Applications
fcDevDS120	Generic	jdbc/fcDevDS	AdminServer, Applications
FCUBS	Generic	jdbc/fcdevDS120_XA	Applications
FCUBS120_XA	Generic	jdbc/fcSchedulerDS	Applications
FCUBSScheduler	Generic	jdbc/registryDS	wls_ods1, wls_of1, osr_server1
jdbc/registryDS	Generic	jdbc/mds/MDS_REPOS	oim_server1
mds-oim			

Showing 1 to 10 of 19 Previous | Next

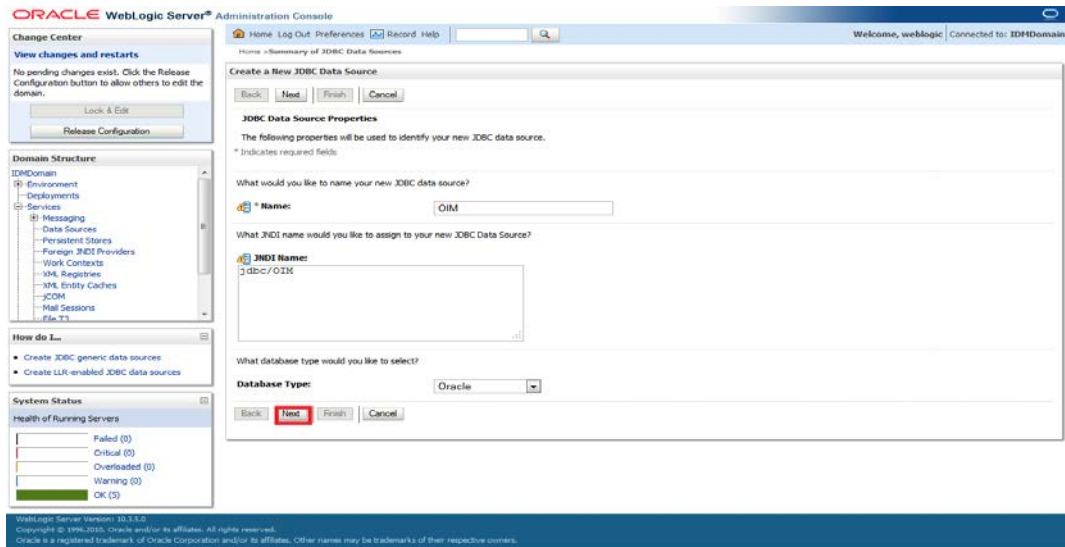
WebLogic Server Version: 10.3.5.0
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The following screen will get displayed.

- Enter the Data Source Name and JNDI Name as mentioned in the **<FCUBS Release Name>\ADAPTERS\OIM\FCUBS\LOVAdService\config\lookup_prop.xml** → value of the key **FCUBS_CON_POOLNAME**

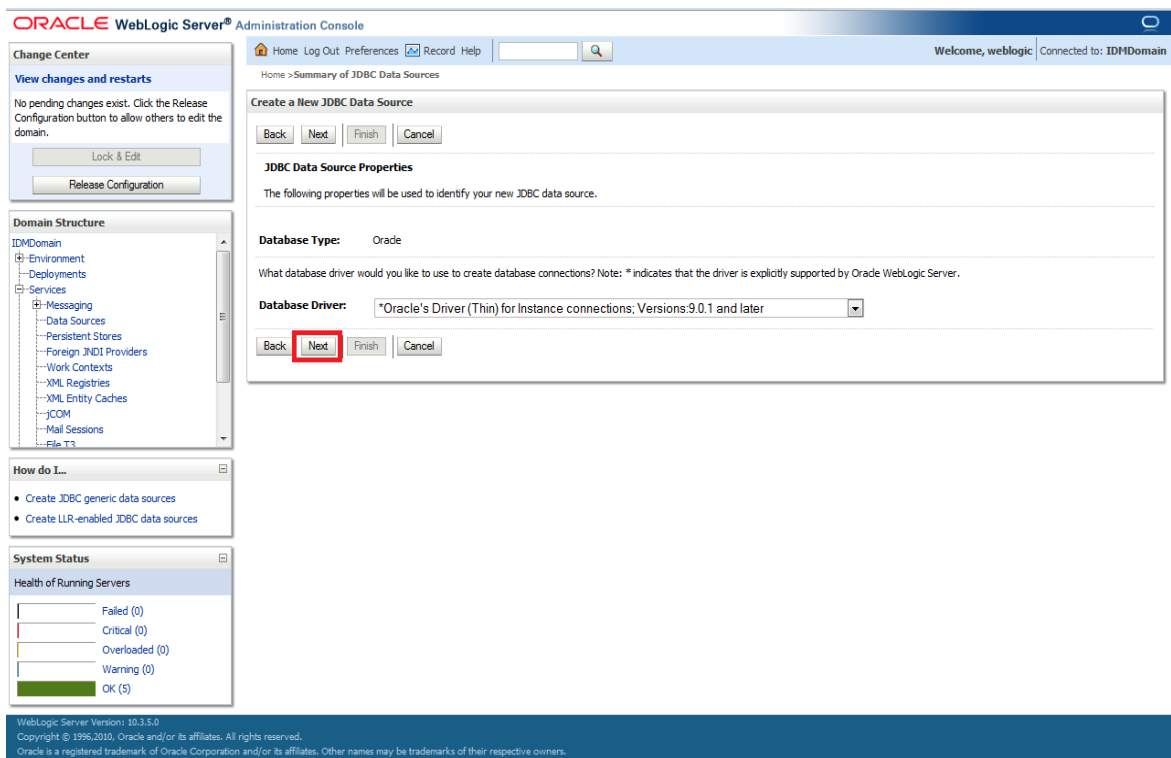
for example value of the key **FCUBS_CON_POOLNAME** is **OIM** then

Name	OIM
JNDI Name	jdbc/OIM
Database Type	Oracle

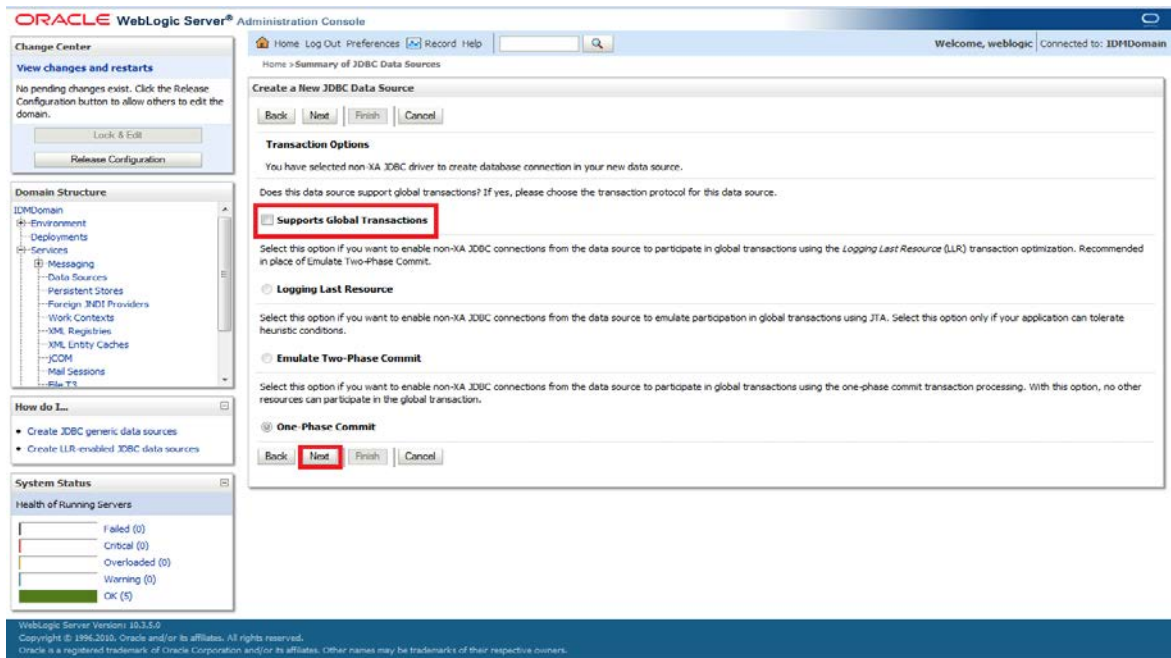


The following screen will get displayed. Select Database Driver as Oracle's Driver (Thin) for Instance connections: Versions 9.0.1 and later.

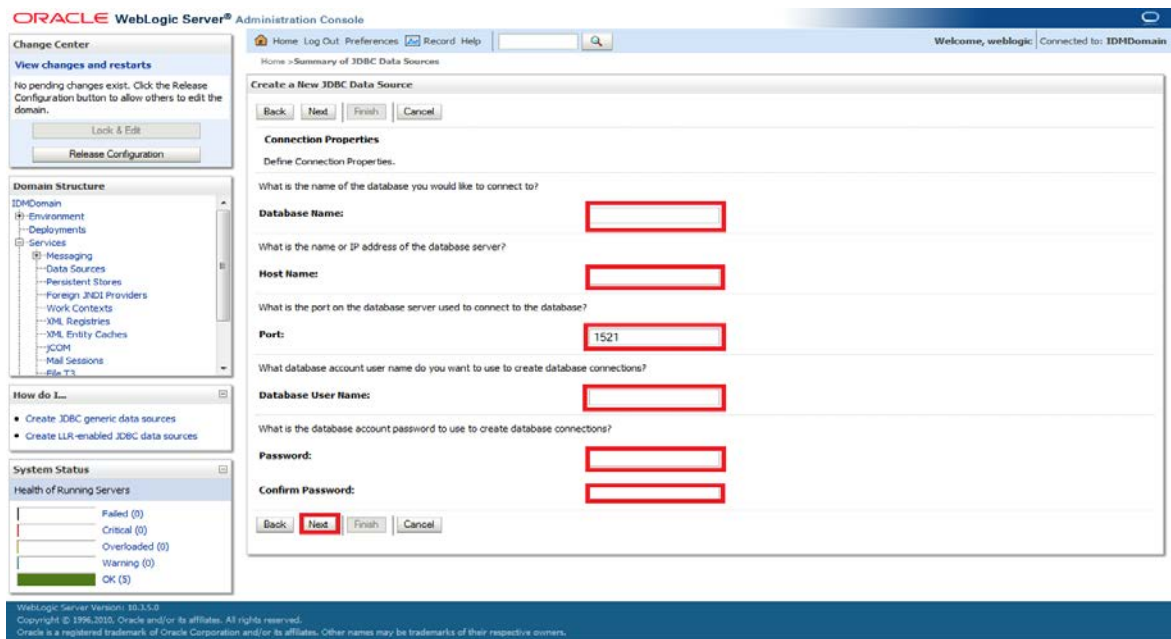
7. Click on Next.



8. We get the following screen in which un-check Supports Global Transactions and click on Next.



9. The following screen will get displayed. Enter the Database Name, Host Name, Port, Database User Name, Password and Confirm Password. Click on Next



10. The following screen will get displayed. Click on Test Configuration

It will display "Connection test succeeded" as shown below. If it is not getting displayed then verify the correctness of all data source properties entered. Click on Finish button.

ORACLE WebLogic Server Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: IDHDomain

Messages

Connection test succeeded.

Create a New JDBC Data Source

Test Configuration Back Next Finish Cancel

Test Database Connection

Test the database availability and the connection properties you provided.

What is the full package name of JDBC driver class used to create database connections in the connection pool?
(Note that the driver class must be in the classpath of any server to which it is deployed.)

Driver Class Name: oracle.jdbc.OracleDriver

What is the URL of the database to connect to? The format of the URL varies by JDBC driver.

URL: jdbc:oracle:thin:@10.11...

What database account user name do you want to use to create database connections?

Database User Name: DAY0114

What is the database account password to use to create database connections?
(Note: for secure password management, enter the password in the Password field instead of the Properties field below)

Password: [REDACTED]

Confirm Password: [REDACTED]

What are the properties to pass to the JDBC driver when creating database connections?

Properties:
user=DAY0114

The set of driver properties whose values are derived at runtime from the named system property.

11. The following screen will get displayed. Click on Activate Changes.

ORACLE WebLogic Server Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: IDHDomain

Summary of JDBC Data Sources

Configuration Monitoring

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source.

This page summarizes the JDBC data source objects that have been created in this domain.

Customize this Table

Data Sources (Filtered - More Columns Exist)

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EDNDataSource	Generic	jdbc/EDNDataSource	soa_server1
EDNLocalTxDataSource	Generic	jdbc/EDNLocalTxDataSource	soa_server1
fcjDevDS	Generic	jdbc/fcjDevDS	Applications
fcjdevDS11	Generic	jdbc/fcjdevDS11	Applications
fcjdevDS120	Generic	jdbc/fcjdevDS120	Applications
FCUBS	Generic	jdbc/fcjdevDS	AdminServer, Applications
FCUBS120_XA	Generic	jdbc/fcjdevDS120_XA	Applications
FCUBSScheduler	Generic	jdbc/fcjschedulerDS	Applications
jdbc/registryDS	Generic	jdbc/registryDS	wls_ods1, wls_of1, oas_server1
mds-aim	Generic	jdbc/mds/MDS_REPOS	oim_server1

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